Embassy of the United States of America
General Services Office
Libreville, Gabon

SCOPE OF WORK

Product/service required:
Replacement of: Obsolete Ducted and Split Cassette Air Conditioning Units

Date needed by:
Close of Business at your location on Wednesday, December 30th 2015.

Detailed Description:

The US Embassy Libreville has a requirement for replacement of:

1. Eight (8) ducted AC units (Outdoor Model# YE2SD30RFHAC47-HRF and Indoor Model# YE2HD30FH7AC47);
2. Four (4) Split cassette units (Outdoor Model# YMUFYC024BAM-A-X and Indoor model# YMKFXC024BAM-FX)

The existing units are obsoletes and replacement units should be salient characteristic to the existing units (in capacity but cooling only needed not Heat Pump) and should fit on the existing ducts, conducts, roof slabs, ceiling space…
Replacement units should be brand new with reliable QC certificates.
Existing models are described below and on the enclosed documents.

Ducted Unit

OUTDOOR UNIT	**MOD #**	**YE2SD30RFCAC47-HRF**	
	SER #		
	MATCH WITH :	YE2HD30FC7AC47	
	COOLING	30000	BTU
	HEATING	-	BTU
	REFRIGERAN	R407 C	
INDOOR UNIT	**MOD #**	**YE2HD30FH7AC47**	
	SER #		
	MATCH WITH :	YE2SD30FRFHAC47-HRF	

Split Cassette Unit

OUTDOOR UNIT	**MOD #**	**YMUFYC024BAM-A-X**	
	SER #		
	MATCH WITH :		
	COOLING	24000	BTU
	HEATING		BTU
	REFRIGERAN	R410 A	
INDOOR UNIT	**MOD #**	**YMKFXC024BAM-FX**	
	SER #		
	MATCH WITH :		

Replacement/spare parts of new AC units should be available in the international market and vendor should provide contact details of any supplier where the US Embassy Libreville could purchase spare parts.

Vendor's quote should include supply of new AC units including necessary accessories for their installation (cooper tubing, tubing insulation material, holding bracket, bolts, nuts, remote controls, electrical wirings…). Vendor should insure that O&M/User, Installation manuals are provided.

Pricing should be provided by line item showing a per item price multiplied out by the requested quantity.

Contract vehicle: Open Market

Set-aside restrictions? There are no set-aside restrictions for this procurement

Meet or Exceed? Offers must meet or exceed requested specifications described here

Award type: Government Purchase Order

Evaluation criteria: lowest price, technically-acceptable

Offer validity: 30 days

Applicable FAR clauses: The selected offeror must comply with all applicable FAR clauses. Please see final contracting instrument for a complete list, the full text of which may be accessed electronically at http://www.acqnet.gov/far.

Contracting Authority: This request for quotation does not constitute a contract with the U.S Government. Per FAR 1.602, the sole representative of the Government authorized to enter into an agreement is a warranted Contracting Officer. The selected Offeror must ensure that a valid obligating document (e.g. Government Purchase Order) signed by a Contracting Officer is in place before commencement of work. Any and all modifications after the commencement of work must likewise be authorized by a Contracting Officer.

Delivery: within 30 days

Shipping: All quotations/proposals must include shipping to FOB Destination as designated on the contract instrument.

The shipping price is based on parts delivery to the following address:

LBV# SGB500……..
CCI LIBREVILLE
1200 Fuller Road
Linden, NJ 07036
(908) 925 – 4713

Technical specification : Floor ceiling R-410A 50Hz Rev.0

3	**Model**	**York**	**Set**	YMFFZC012BAM-AFX	YMFFZH012BAM-AFX	YMFFZC018BAM-AFX	YMFFZH018BAM-AFX	YMFFZC024BAM-AFX	YMFFZH024BAM-AF1
4			**Indoor**	YMFFXC012BAM--FX	YMFFXH012BAM--FX	YMFFXC018BAM--FX	YMFFXH018BAM--FX	YMFFXC024BAM--FX	YMFFXH024BAM--F1
5			**Outdoor**	YMFFYC012BAM-A-X	YMUFYH012BAM-A-X	YMUFYC018BAM-A-X	YMUFYH018BAM-A-X	YMUFYC024BAM-A-X	YMUFYH024BAM-A-1
6	**Power supply**		**V/Ph/Hz**	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
7	**Cooling**	**Capacity**	**Btu/h**	12000	12000	18000	18000	24000	24000
8		**Capacity**	**kW**	3.52	3.52	5.28	5.28	7.03	7.03
9		**Input**	**W**	1199	1227	1908	1944	2540	2390
10		**Rated current**	**A**	5.38	5.52	8.45	8.75	12.16	10.87
11		**EER**	**W/W**	2.93	2.87	2.76	2.71	2.77	2.94
12	**Heating**	**Capacity**	**Btu/h**	-	12500	-	20000	-	26000
13		**Capacity**	**kW**	-	3.66	-	5.86	-	7.62
14		**Input**	**W**	-	1113	-	1729	-	2470
15		**Rated current**	**A**	-	5.01	-	7.87	-	12
16		**COP**	**W/W**	-	3.29	-	3.39	-	3.09
17	**Moisture Removal**		**L/h**	1.2	1.2	1.8	1.8	2.4	2.4
18	**Max. input consumption**		**W**	1600	1740	2850	2950	3500	3450
19	**Max. current**		**A**	7.5	8.5	15.0	15.0	18	18
20	**Starting current**		**A**	26.7	26.7	40	36.8	66	66
21	**Compressor**	**Model**		PA140G1C-4FT1	PA140G1C-4FT1	PA225M2CS-4KU2	PA225X2CS-4KU1	PA290G2CS-4MU1	PA290G2CS-4MU1
22		**Type**		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
25		**Capacity**	**Btu/h**	11601	11601	18766	18493	24771	24771
26		**Input**	**W**	1155	1155	1835	1855	2430	2430
27		**Rated current(RLA)**	**A**	5.37	5.37	8.5	8.7	11.65	11.65
28		**Locked rotor Amp(LRA)**	**A**	26.7	26.7	40	36.8	66	66
29		**Thermal protector**		Internal	Internal	Internal	Internal	Internal	Internal
30		**Capacitor**	**μF**	35μF/440-450V	35μF/440-450V	50μF/440V-450V	50μF/440V-450V	50μF/440V-450V	50UF/440V-450V
31		**Refrigerant oil**	**ml**	ESTER OIL VG74 / 400	ESTER OIL VG74 / 400	ESTER OIL VG74 / 750	ESTER OIL VG74 / 750	ESTER OIL VG74 / 850	ESTER OIL VG74 / 850
32	**Indoor fan motor**	**Model**		YSK25-6L	YSK25-6L	YSK55-4L	YSK55-4L	YSK55-4L	YSK55-4L
33		**Input**	**W**	33.4/31.1/29.5	33.4/31.1/29.5	125/105/85	125/105/85	125/105/85	125/105/85
34		**Capacitor**	**μF**	1.2μF/450V	1.2μF/450V	2.5μF/450V	2.5μF/450V	2.5μF/450V	2.5UF/450V
35		**Speed (Hi/Me/Lo)**	**rpm**	756/666/592	756/666/592	1310/1190/1040	1310/1190/1040	1310/1190/1040	1310/1190/1040
36	**Indoor coil**	**Number of rows**		2	2	3	3	3	3
37		**Tube pitch(a)x row pitch(b)**	**mm**	21×13.37	21×13.37	21×13.37	21×13.37	21×13.37	21×13.37
38		**Fin spacing**	**mm**	1.3	1.3	1.3	1.3	1.3	1.3
39		**Fin material**		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
40		**Tube outer dia.and type**	**mm**	φ7 Inner grooved copper tube	φ7 Inner grooved copper tube	φ7 Inner grooved copper tube	φ7 Inner grooved copper tube	φ7 Inner grooved copper tube	Φ7,Inner grooved tube
41		**Coil length x height x width**	**mm**	804×252×26.74	804×252×26.74	804×252×40.11	804×252×40.11	804×252×40.11	804×252×40.11
42		**Number of circuits**		3	3	4	4	4	4
43	**Indoor air flow (Hi/Me/Lo)**		**m^3/h**	600/480/400	600/480/400	800/600/500	800/600/500	1200/900/700	1200/900/700
44	**Indoor noise level (Hi/Me/Lo)**		**dB(A)**	43/41/38	43/41/38	50/48/44	43/41/38	50/48/44	45/43/40
45	**Indoor unit**	**Dimension (W*H*D)**	**mm**	990×660×203	990×660×203	990×660×203	990×660×203	990×660×203	990×660×203
46		**Packing (W*H*D)**	**mm**	1037×739×238	1037×739×238	1037×739×238	1037×739×238	1037×739×238	1090x745x297
47		**Net/Gross weight**	**kg**	24/28.5	24/28.5	19/21	26/32	32/35	24/30
48	**Outdoor fan motor**	**Model**		YDK24-6F(B)	YDK24-6F(B)	YDK48-6H(A)	YDK48-6H(A)	YDK53-6C	YDK100-6D
49		**Input**	**W**	63	63	110	110	136	167
50		**Capacitor**	**μF**	2.5μF/450V	2.5μF/450V	3μF/450V	3μF/450V	3μF/450V	5UF/450V
51		**Speed**	**rpm**	800	800	890	890	800	900
52	**Outdoor coil**	**Number of rows**		1	1	2	2	2	2
53		**Tube pitch(a)x row pitch(b)**	**mm**	21×13.37	22×19.05	19.5×11.6	21×13.37	19.5×11.6	21x13.37
54		**Fin spacing**	**mm**	1.4	1.4	1.2	1.4	1.2	1.4
55		**Fin type (code)**		Unhydrophilic aluminum	Hydrophilic aluminium	Unhydrophilic aluminium	Hydrophilic aluminium	Unhydrophilic aluminium	Hydrophilic aluminium
56		**Tube outer dia.and type**	**mm**	φ7 Inner grooved copper tube	φ7.94 Inner grooved copper tube	φ5 inner grooved tube	φ7 Inner groove copper tube	φ5 inner grooved tube	Φ7,inner grooved tube
57		**Coil length x height x width**	**mm**	755×504×13.37	737×506×19.05	652×546×23.2	658×546×26.74	782×663×23.2	785x651x26.74
58		**Number of circuits**		2	2	2	2	2	4
59	**Outdoor air flow**		**m^3/h**	2100	2100	2439	2439	3200	2700
60	**Outdoor noise level**		**dB(A)**	43	43	58	54	59	59
61	**Outdoor unit**	**Dimension (W*H*D)**	**mm**	780×547×250	780×547×250	762×282×593	762×282×593	842×695×324	845x700x320
62		**Packing (W*H*D)**	**mm**	910×575×335	910×575×335	887×355×645	887×355×645	965×755×395	965x755x395
63		**Net/Gross weight**	**kg**	27.5/29.5	30/32	35.5/37.5	39/42	47.5/49.5	48/54.5
64	**Refrigerant charge**		**g**	800	960	860	1400	1350	1800
65	**Design pressure**		**MPa**	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
66	**Refrigerant pipe**	**Liquid side/ Gas side**	**mm**	φ6.4/φ12.7	φ6.4/φ12.7	φ6.4/φ12.7	φ6.4/φ12.7	φ9.5/φ15.9	Φ9.52/Φ15.9
67		**Max.refrigerant pipe length**	**m**	15	15	25	25	25	25
68		**Max. difference in level**	**m**	8	8	15	15	15	15
69	**Operation temp**		**℃**	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30
70	**Ambient temp**		**℃**	Cooling: 21~43	Cooling: 21~43, Heating: -5~24	Cooling: 21~43	Cooling: 21~43, Heating: -5~24	Cooling: 21~43	Cooling: 21~43, Heating: -5~24
71	**Application area**		**m^2**	13-21	13-21	21-35	21-35	28-47	28-47
72	**Qty'per 20' /40' /40'HQ**		**Sets**	78/162/190	78/162/190	72/150/176	72/150/176	59/123/144	59/123/144

Test condition

Cooling	Heating
Indoor 27/19℃ DB/WB	Indoor 20℃ DB
Outdoor 35℃ DB	Outdoor 7/6℃ DB/WB

Model	York	Set	YMFFZC030BAM-BFX	YMFFZH030BAM-BFX	YMFFZC030BAN-BFX	YMFFZH030BAN-BFX	YMFFZC036BAM-BFX	YMFFZH036BAM-BF1
		Indoor	YMFFXC030BAM--FX	YMFFXH030BAM--FX	YMFFXC030BAN--FX	YMFFXH030BAN--FX	YMFFXC036BAM--FX	YMFFXH036BAM--F1
		Outdoor	YMUFYC030BAM-B-X	YMUFYH030BAM-B-X	YMUFYC030BAN-B-X	YMUFYH030BAN-B-X	YMUFYC036BAM-B-X	YMUFYH036BAM-B-1
Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	220-240/1/50	220~240-1-50
Cooling	Capacity	Btu/h	30000	30000	30000	30000	36000	36000
	Capacity	kW	8.79	8.79	8.79	8.79	10.55	10.55
	Input	W	3515	3894	3456	3777	4126	3920
	Rated current	A	16.99	18.93	6.21	6.79	19.79	17.82
	EER	W/W	2.50	2.26	2.54	2.33	2.56	2.69
Heating	Capacity	Btu/h	-	32000	-	32000	-	37000
	Capacity	kW	-	9.38	-	9.38	-	10.84
	Input	W	-	3691	-	3451	-	3808
	Rated current	A	-	17.76	-	6.24	-	17.94
	COP	W/W	-	2.54	-	2.72	-	2.85
Moisture Removal		L/h	3	3	3	3	3.6	3.6
Max. input consumption		W	4800	4950	4800	4950	5400	4950
Max. current		A	24	25	9	10	30	30
Starting current		A	112	112	48	48	112	97
Compressor	Model		C-SBN301H5D	C-SBN301H5D	C-SBN303H8D	C-SBN303H8D	C-SBN301H5D	C-SBN301H5D
	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Capacity	Btu/h	31902	31902	33438	33438	31902	31902
	Input	W	3750	3750	3650	3650	3750	3750
	Rated current(RLA)	A	18.1	18.1	6.58	6.58	18.1	18.1
	Locked rotor Amp(LRA)	A	112	112	48	48	112	97
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal
	Capacitor	μF	45μF/450V/60μF/450V	60μF/450V/90μF/400V	/	/	60μF/450V/90μF/400V	60μF/450V-55-P2+90μF/400V-60-P2
	Refrigerant oil	ml	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	1700
Indoor fan motor	Model		YSK80-4A-2	YSK80-4A-2	YSK80-4A-2	YSK80-4A-2	YSK80-4A-2	YSK80-4A-2
	Input	W	159/142/130	159/142/130	159/142/130	159/142/130	159/142/130	159/142/130
	Capacitor	μF	3.5μF/450V	3.5μF/450V	3.5μF/450V	3.5μF/450V	3.5μF/450V	3.5uF/450V
	Speed (Hi/Me/Lo)	rpm	1290/1170/1060	1290/1170/1060	1290/1170/1060	1290/1170/1060	1290/1170/1060	1290/1170/1060
Indoor coil	Number of rows		3	3	3	3	3	3
	Tube pitch(a)x row pitch(b)	mm	25.4×22	25.4×22	25.4×22	25.4×22	25.4×22	25.4x22
	Fin spacing	mm	1.7	1.7	1.7	1.7	1.7	1.5
	Fin material		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminium
	Tube outer dia.and type	mm	φ9.5 Inner grooved copper tube	φ9.5 Inner grooved copper tube	φ9.5 Inner grooved copper tube	φ9.5 Inner grooved copper tube	φ9.5 Inner grooved copper tube	Φ9.52, inner groove tube
	Coil length x height x width	mm	1094×254×66	1094×254×66	1094×254×66	1094×254×66	1094×254×66	1094x254x66
	Number of circuits		5	5	5	5	5	5
Indoor air flow (Hi/Me/Lo)		m^3/h	1600/1200/1000	1400/1200/1000	1600/1200/1000	1400/1200/1000	1600/1200/1000	1400/1200/1000
Indoor noise level (Hi/Me/Lo)		dB(A)	45/43/40	45/43/40	45/43/40	45/43/40	45/43/40	45/43/40
Indoor unit	Dimension (W*H*D)	mm	1280×660×203	1280×660×203	1280×660×203	1280×660×203	1280×660×203	1280x660x203
	Packing (W*H*D)	mm	1327×739×238	1327×739×238	1327×739×238	1327×739×238	1327×739×238	1380x745x297
	Net/Gross weight	kg	32/35	35/40	32/35	35/40	31/36	32/37.5
Outdoor fan motor	Model		YDK75-6C	YDK190-6D(B)	YDK75-6C	YDK190-6D(B)	YDK190-6D(B)	YDK190-6D(B)
	Input	W	162	290	162	290	290	290
	Capacitor	μF	5μF/450V	10μF/450V	5μF/450V	10μF/450V	10μF/450V	10uF/450V
	Speed	rpm	860	830	860	830	830	830
Outdoor coil	Number of rows		2	1.5	2	1.5	2	1.5
	Tube pitch(a)x row pitch(b)	mm	22×19.05	21×13.37	22×19.05	21×13.37	21×13.37	21x13.37
	Fin spacing	mm	1.6	1.4	1.6	1.4	1.4	1.4
	Fin type (code)		Uhydrophilic aluminium	Hydrophilic aluminum	Uhydrophilic aluminium	Hydrophilic aluminum	Uhydrophilic aluminium	Hydrophilic aluminium
	Tube outer dia.and type	mm	φ7.94 inner grooved tube	φ7 Inner grooved copper tube	φ7.94 inner grooved tube	φ7 Inner grooved copper tube	φ7 Inner grooved copper tube	Φ7, inner groove tube
	Coil length x height x width	mm	766×792×38.1	890×903×26.74	766×792×38.1	890×903×26.74	890×903×26.74	890x903x26.74
	Number of circuits		6	7	6	7	7	6
Outdoor air flow		m^3/h	5000	5000	5000	5000	5000	5500
Outdoor noise level		dB(A)	57	57	57	57	57	61
Outdoor unit	Dimension (W*H*D)	mm	895×313×862	990×354×966	895×313×862	990×354×966	990×354×966	990x345x965
	Packing (W*H*D)	mm	1043×395×915	1120×435×1100	1043×395×915	1120×435×1100	1120×435×1100	1120x435x1100
	Net/Gross weight	kg	83/86	94/98	80/83	92/96	88/94	84.5/94.5
Refrigerant charge		g	2100	2900	2200	2900	2550	2600
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant pipe	Liquid side/ Gas side	mm	φ9.5/φ19	φ9.5/φ19	φ9.5/φ19	φ9.5/φ19	φ9.5/φ19	Φ9.52/Φ19
	Max.refrigerant pipe length	m	25	25	25	25	30	30
	Max. difference in level	m	15	15	15	15	20	20
Operation temp		℃	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30
Ambient temp		℃	Cooling: 21~43	Cooling: 21~43, Heating: -5~24	Cooling: 21~43	Cooling: 21~43, Heating: -5~24	Cooling: 21~43	Cooling: 21~43, Heating: -5~24
Application area		m^2	36-60	36-60	36-60	36-60	42-70	42-70
Qty'per 20' /40' /40'HQ		Sets	45/95/111	36/75/88	45/95/111	36/75/88	36/75/88	36/75/88

Model	York	Set	YMFFZC036BAN-BFX	YMFFZH036BAN-BF1	YMFFZC048BAN-BFX	YMFFZH048BAN-BF1	YMFFZC060BAN-BFX	YMFFZH060BAN-BF1
		Indoor	YMFFXC036BAN--FX	YMFFXH036BAN--F1	YMFFXC048BAN--FX	YMFFXH048BAN--F1	YMFFXC060BAN--FX	YMFFXH060BAN--F1
		Outdoor	YMUFYC036BAN-B-X	YMUFYH036BAN-B-1	YMUFYC048BAN-B-X	YMUFYH048BAN-B-1	YMUFYC060BAN-B-X	YMUFYH060BAN-B-1
Power supply		V/Ph/Hz	380-415/3/50	380~420-3-50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling	Capacity	Btu/h	36000	36000	48000	48000	60000	60000
	Capacity	kW	10.55	10.55	14.07	14.07	17.58	17.58
	Input	W	3716	3810	5183	4792	5857	5949
	Rated current	A	6.66	6.7	8.76	8.02	9.79	9.92
	EER	W/W	2.84	2.77	2.71	2.94	3.00	2.96
Heating	Capacity	Btu/h	-	36500	-	50000	-	60000
	Capacity	kW	-	10.70	-	14.65	-	17.58
	Input	W	-	3618	-	4880	-	5369
	Rated current	A	-	6.34	-	8.5	-	8.95
	COP	W/W	-	2.96	-	3.00	-	3.28
Moisture Removal		L/h	3.6	3.6	4.8	4.8	6	6
Max. input consumption		W	5300	4950	6100	6300	8500	7500
Max. current		A	10	10	12	10.9	13	12.6
Starting current		A	48	48	66	66	67	67
Compressor	Model		C-SBN303H8D	C-SBN303H8D	C-SBN373H8D	C-SBN373H8D	C-SBN453H8D	C-SBN453H8D
	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Capacity	Btu/h	33438	33438	48109	48109	55957	55957
	Input	W	3650	3650	4750	4750	5750	5750
	Rated current(RLA)	A	6.58	6.58	8.22	8.22	9.77	9.77
	Locked rotor Amp(LRA)	A	48	48	66	66	67	67
	Thermal protector		Internal	Internal	Internal	Internal	Internal	Internal
	Capacitor	μF	/	/	/	/	/	/
	Refrigerant oil	ml	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700	FV68S / 1700
Indoor fan motor	Model		YSK80-4A-2	YSK80-4A-2	(YSK59-4D-4)×2	YSK59-4D-4	(YSK59-4D-4)×2	YSK59-4D-4
	Input	W	159/142/130	159/142/130	(102/98/96)×2	102/98/96	(102/98/96)×2	102/98/96
	Capacitor	μF	3.5μF/450V	3.5uF/450V	(2.5μF/450V)×2	2.5UF/450V	(2.5μF/450V)×2	2.5UF/450V
	Speed (Hi/Me/Lo)	rpm	1290/1170/1060	1290/1170/1060	1230/1130/1070	1230/1130/1070	1230/1130/1070	1230/1130/1070
Indoor coil	Number of rows		3	3	3	3	3	3
	Tube pitch(a)x row pitch(b)	mm	25.4×22	21x13.37	25.4×22	25.4x22	25.4×22	25.4x22
	Fin spacing	mm	1.7	1.3	1.7	1.5	1.7	1.7
	Fin material		Hydrophilic aluminum	Hydrophilic aluminium	Hydrophilic aluminum	Hydrophilic aluminium	Hydrophilic aluminum	Hydrophilic aluminium
	Tube outer dia.and type	mm	φ9.5 Inner grooved copper tube	Φ7,inner grooved tube	φ9.5 Inner grooved copper tube	Φ9.52, inner groove tube	φ9.5 Inner grooved copper tube	Φ9.52, inner groove tube
	Coil length x height x width	mm	1094×254×66	1095x252x40.11	1360×254×66	1360x254x66	1360×254×66	1360x254x66
	Number of circuits		5	6	5	5	5	5
Indoor air flow (Hi/Me/Lo)		m^3/h	1600/1200/1000	1400/1200/1000	2000/1800/1600	2000/1800/1600	2000/1800/1600	2000/1800/1600
Indoor noise level (Hi/Me/Lo)		dB(A)	45/43/40	45/43/40	47/46/44	50/47/45	47/46/44	50/49/47
Indoor unit	Dimension (W*H*D)	mm	1280×660×203	1280x660x203	1670×680×240	1670x680x240	1670×680×240	1670x680x240
	Packing (W*H*D)	mm	1327×739×238	1380x745x297	1715×760×273	1765x761x325	1715×760×273	1765x761x325
	Net/Gross weight	kg	31/36	29.5/36.3	45/51	46/53	45/51.5	46/52
Outdoor fan motor	Model		YDK190-6D(B)	YDK190-6D(B)	YDK65-6(B)+YDK65-6F(B)	YDK65-6F(B)	YDK65-6(B)+YDK65-6F(B)	YDK65-6F(B)
	Input	W	290	290	162+162	162	162+162	162
	Capacitor	μF	10μF/450V	10uF/450V	(3.5μF/450V)×2	(3.5UF/450V)X2	(3.5μF/450V)×2	(3.5UF/450V)X2
	Speed	rpm	830	830	765	765	765	765
Outdoor coil	Number of rows		2	2	2	2	2	2
	Tube pitch(a)x row pitch(b)	mm	21×13.37	21x13.37	21×13.37	21x13.37	22×19.05	22x19.05
	Fin spacing	mm	1.4	1.4	1.4	1.4	1.6	1.6
	Fin type (code)		Uhydrophilic aluminium	Hydrophilic aluminium	Uhydrophilic aluminium	Hydrophilic aluminium	Uhydrophilic aluminium	Hydrophilic aluminium
	Tube outer dia.and type	mm	φ7 Inner grooved copper tube	Φ7,inner grooved tube	φ7 Inner grooved copper tube	Φ7, inner groove tube	φ7.94 Inner grooved copper tube	Φ7.94, inner groove tube
	Coil length x height x width	mm	890×903×26.74	890x903x26.74	840×1113×26.74	840x1113x26.74	837×1100×38.1	837x1100x38.1
	Number of circuits		7	7	8	4	8	4
Outdoor air flow		m^3/h	5000	5500	6800	6200	6850	6500
Outdoor noise level		dB(A)	57	61	59	63	59.3	63
Outdoor unit	Dimension (W*H*D)	mm	990×354×966	990x345x965	900×340×1167	900x350x1170	900×340×1167	900x350x1170
	Packing (W*H*D)	mm	1120×435×1100	1120x435x1100	1032×443×1307	1032x443x1307	1032×443×1307	1032x443x1307
	Net/Gross weight	kg	90/94	81/92	101/105	96/106	103/107	97/108
Refrigerant charge		g	2500	2400	3000	3250	3050	3200
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant pipe	Liquid side/ Gas side	mm	φ9.5/φ19	Φ9.52/Φ19	φ9.5/φ19	Φ9.52/Φ19	φ9.5/φ19	Φ9.52/Φ19
	Max.refrigerant pipe length	m	30	30	50	50	50	50
	Max. difference in level	m	20	20	25	25	25	25
Operation temp		℃	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30	17 to 30
Ambient temp		℃	Cooling: 21~43	Cooling: 21~43, Heating: -5~24	Cooling: 21~43	Cooling: 21~43, Heating: -5~24	Cooling: 21~43	Cooling: 21~43, Heating: -5~24
Application area		m^2	42-70	42-70	56-93	56-93	64-107	64-107
Qty'per 20' /40' /40'HQ		Sets	36/75/88	36/75/88	29/60/71	29/60/71	29/60/71	29/60/71

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NOMENCLATURE (CONDENSING UNITS)

Y	E	2	SD	18	R	F	C	BW	47
1	2	3	4	5	6	7	8	9	10

1 Brand Name (YORK)
2 Series Name (TAURUS)
3 Application
  2 = High Ambient Operation (52°C)
4 Type of Unit
  SD = Side Discharge Condensing Unit
  TD = Top Discharge Condensing Unit

5 Capacity
  18 = 18,000 Btuh
  24 = 24,000 Btuh
  30 = 30,000 Btuh
  36 = 36,000 Btuh
  42 = 42,000 Btuh
  48 = 48,000 Btuh
  60 = 60,000 Btuh
  70 = 70,000 Btuh
6 Compressor Type
  O = Rotary
  R = Reciprocating
  S = Scroll
7 Power Supply Code (V / Ph / Hz)
  F = 220 - 240 / 1 / 50
  G = 380 - 420 / 3 / 50
8 Operation Mode
  C = Cool Only
  H = Heat Pump
9 Option Code
  AA = Outdoor unit without capillary, with contactor
  AC = Outdoor unit with capillary, with contactor
  AD = AC + Start Kit
  AE = AA + Start Kit
  AW = AC + Wire mesh coil guard
  BA = Outdoor unit without capillary and contactor
  BC = Outdoor unit with capillary, without contactor
  BK = Outdoor unit without capillary, with contactor.
  BW = BC + Wire mesh coil guard
  ZC = BC + without outdoor sensor
  ZW = ZC + Wire mesh coil guard
10 Refrigerant
  47 = R407C

NOMENCLATURE (INDOOR UNITS)

Y	E	2	LD	18	F	C	7	BC	47
1	2	3	4	5	6	7	8	9	10

1 Brand Name (YORK)
2 Series Name (TAURUS)
3 Application
  2 = High Ambient Operation (52°C)
4 Type of Unit
  LD = Low static ducted fan coil unit
  HD = High static ducted fan coil unit
5 Capacity
  18 = 18,000 Btuh
  24 = 24,000 Btuh
  30 = 30,000 Btuh
  36 = 36,000 Btuh
  42 = 42,000 Btuh
  48 = 48,000 Btuh
  60 = 60,000 Btuh
  70 = 70,000 Btuh
6 Power Supply Code (V / Ph / Hz)
  F = 220 - 240 / 1 / 50
7 Operation Mode
  C = Cool Only
  H = Heat Pump
  A = Heat Pump + Electric Heater
  E = Cool Only + Electric Heater
8 Remote Control
  6 = Wired Remote Control
  7 = Wireless Remote Control
9 Option Code
  AA = Indoor unit with capillary for outdoor unit with contactor
  AC = Indoor unit without capillary for outdoor unit with contactor
  BA = Indoor unit with capillary for outdoor unit without contactor
  BC = Indoor unit without capillary for outdoor unit without contactor
  BK = Indoor unit with flowrator for outdoor unit with contactor
10 Refrigerant
  47 = R407C

COOLING PERFORMANCE : (YE2HD30 + YE2SD30) & (YE2HD30 + YE2TD30) HIGH SPEED

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
						Indoor Air Wet Bulb Temperature °F (°C)											
						63°F (17°C)				67°F (19°C)				72°F (22°C)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
1972	1160	0	0.0	23.0	73.4	7.71	26.29	5.21	17.75	8.17	27.84	3.97	13.53	8.87	30.23	2.28	7.78
				24.0	75.2	7.76	26.44	5.52	18.81	8.19	27.92	4.43	15.11	8.88	30.27	2.79	9.49
				27.0	80.6	7.89	26.90	5.98	20.39	8.26	28.15	5.82	19.84	8.91	30.39	4.30	14.63
				31.0	87.8	8.24	28.08	6.34	21.60	8.35	28.45	6.75	22.99	8.98	30.62	6.13	20.89
1777	1045	25	0.1	23.0	73.4	7.61	25.93	5.09	17.35	8.01	27.32	3.87	13.19	8.69	29.64	2.23	7.58
				24.0	75.2	7.65	26.08	5.40	18.39	8.04	27.40	4.32	14.73	8.71	29.68	2.72	9.25
				27.0	80.6	7.78	26.53	5.85	19.93	8.11	27.63	5.67	19.34	8.74	29.79	4.19	14.26
				31.0	87.8	8.13	27.70	6.20	21.12	8.19	27.92	6.58	22.41	8.81	30.02	5.98	20.36
1615	950	50	0.2	23.0	73.4	7.52	25.63	5.01	17.07	7.91	26.94	3.78	12.88	8.59	29.29	2.19	7.47
				24.0	75.2	7.56	25.75	5.32	18.11	7.92	27.00	4.23	14.40	8.60	29.33	2.67	9.08
				27.0	80.6	7.66	26.13	5.78	19.69	7.97	27.17	5.57	18.98	8.63	29.43	4.09	13.92
				31.0	87.8	8.04	27.40	6.13	20.88	8.10	27.63	6.46	22.01	8.68	29.60	5.85	19.95
1224	720	100	0.4	23.0	73.4	7.48	25.49	4.97	16.95	7.86	26.78	3.74	12.74	8.55	29.14	2.18	7.42
				24.0	75.2	7.51	25.61	5.28	17.99	7.87	26.83	4.19	14.26	8.56	29.17	2.65	9.01
				27.0	80.6	7.61	25.95	5.74	19.57	7.91	26.97	5.52	18.82	8.59	29.27	4.04	13.77
				31.0	87.8	8.00	27.26	6.06	20.64	8.07	27.49	6.41	21.83	8.63	29.41	5.80	19.77

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 115°F (46°C)											
						Indoor Air Wet Bulb Temperature °F (°C)											
						63F (17°C)				67°F (19°C)				72°F (22°C)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
1972	1160	0	0.0	23.0	73.4	6.76	23.03	4.58	15.59	7.15	24.39	3.49	11.89	7.77	26.48	2.01	6.83
				24.0	75.2	6.80	23.17	4.85	16.52	7.18	24.45	3.90	13.27	7.78	26.52	2.45	8.34
				27.0	80.6	6.91	23.57	5.26	17.91	7.24	24.66	5.11	17.43	7.81	26.62	3.77	12.85
				31.0	87.8	7.22	24.60	5.57	18.98	7.31	24.92	5.93	20.20	7.87	26.82	5.39	18.35
1777	1045	25	0.1	23.0	73.4	6.66	22.71	4.47	15.24	7.02	23.93	3.40	11.59	7.62	25.96	1.96	6.66
				24.0	75.2	6.70	22.85	4.74	16.15	7.04	24.00	3.80	12.94	7.63	26.00	2.39	8.13
				27.0	80.6	6.82	23.24	5.14	17.51	7.10	24.20	4.98	16.99	7.66	26.10	3.68	12.53
				31.0	87.8	7.12	24.26	5.44	18.55	7.18	24.46	5.78	19.69	7.71	26.29	5.25	17.89
1615	950	50	0.2	23.0	73.4	6.59	22.45	4.40	14.99	6.93	23.60	3.32	11.31	7.53	25.66	1.93	6.56
				24.0	75.2	6.62	22.56	4.67	15.91	6.94	23.65	3.71	12.65	7.54	25.69	2.34	7.98
				27.0	80.6	6.72	22.89	5.08	17.30	6.98	23.80	4.89	16.67	7.56	25.78	3.59	12.23
				31.0	87.8	7.04	24.00	5.38	18.34	7.10	24.20	5.67	19.33	7.61	25.93	5.14	17.53
1224	720	100	0.4	23.0	73.4	6.55	22.33	4.37	14.89	6.88	23.46	3.29	11.19	7.49	25.52	1.92	6.52
				24.0	75.2	6.58	22.43	4.64	15.81	6.89	23.50	3.68	12.53	7.50	25.55	2.32	7.91
				27.0	80.6	6.67	22.73	5.05	17.19	6.93	23.62	4.85	16.53	7.52	25.64	3.55	12.09
				31.0	87.8	7.01	23.88	5.32	18.13	7.07	24.08	5.63	19.18	7.56	25.76	5.10	17.37

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 125°F (52°C)											
						Indoor Air Wet Bulb Temperature °F (°C)											
						63°F (17°C)				67°F (19°C)				72°F (22°C)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
1972	1160	0	0.0	23.0	73.4	6.62	22.56	4.43	15.09	7.01	23.89	3.45	11.76	7.61	25.94	1.99	6.76
				24.0	75.2	6.66	22.69	4.69	15.99	7.03	23.95	3.85	13.13	7.62	25.97	2.42	8.25
				27.0	80.6	6.77	23.08	5.09	17.33	7.09	24.15	5.06	17.24	7.65	26.07	3.73	12.72
				31.0	87.8	7.07	24.10	5.39	18.36	7.16	24.41	5.86	19.98	7.71	26.27	5.33	18.16
1777	1045	25	0.1	23.0	73.4	6.53	22.25	4.33	14.75	6.88	23.44	3.37	11.46	7.46	25.43	1.94	6.59
				24.0	75.2	6.57	22.38	4.59	15.63	6.90	23.51	3.76	12.80	7.47	25.46	2.36	8.04
				27.0	80.6	6.68	22.76	4.97	16.94	6.95	23.70	4.93	16.80	7.50	25.56	3.64	12.40
				31.0	87.8	6.97	23.76	5.27	17.95	7.03	23.96	5.72	19.48	7.56	25.75	5.19	17.70
1615	950	50	0.2	23.0	73.4	6.45	21.99	4.26	14.51	6.78	23.12	3.29	11.19	7.37	25.13	1.91	6.49
				24.0	75.2	6.48	22.10	4.52	15.40	6.80	23.17	3.67	12.52	7.38	25.16	2.32	7.89
				27.0	80.6	6.58	22.42	4.91	16.74	6.84	23.31	4.84	16.49	7.41	25.25	3.55	12.10
				31.0	87.8	6.90	23.51	5.21	17.75	6.95	23.70	5.61	19.13	7.45	25.39	5.09	17.34
1224	720	100	0.4	23.0	73.4	6.42	21.87	4.23	14.41	6.74	22.98	3.25	11.07	7.34	25.00	1.90	6.45
				24.0	75.2	6.45	21.97	4.49	15.30	6.75	23.02	3.64	12.39	7.34	25.03	2.30	7.83
				27.0	80.6	6.53	22.26	4.88	16.64	6.79	23.14	4.80	16.36	7.37	25.12	3.51	11.96
				31.0	87.8	6.86	23.39	5.15	17.55	6.92	23.59	5.57	18.97	7.40	25.24	5.04	17.18

COOLING PERFORMANCE : (YE2HD30 + YE2SD30) & (YE2HD30 + YE2TD30) MEDIUM SPEED

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
						Indoor Air Wet Bulb Temperature °F (°C)											
						63°F (17°C)				67°F (19°C)				72°F (22°C)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
1836	1080	0	0.0	23.0	73.4	7.48	25.50	5.05	17.22	7.92	27.00	3.85	13.13	8.60	29.32	2.22	7.55
				24.0	75.2	7.53	25.65	5.35	18.25	7.94	27.08	4.30	14.66	8.61	29.36	2.70	9.21
				27.0	80.6	7.66	26.09	5.80	19.78	8.01	27.31	5.65	19.25	8.65	29.48	4.17	14.20
				31.0	87.8	7.99	27.24	6.15	20.95	8.10	27.60	6.54	22.31	8.71	29.70	5.95	20.27
1683	990	25	0.1	23.0	73.4	7.38	25.15	4.94	16.83	7.77	26.50	3.76	12.79	8.43	28.75	2.16	7.36
				24.0	75.2	7.42	25.30	5.23	17.84	7.80	26.57	4.19	14.29	8.45	28.79	2.64	8.98
				27.0	80.6	7.55	25.73	5.67	19.33	7.86	26.80	5.50	18.76	8.48	28.90	4.06	13.84
				31.0	87.8	7.88	26.87	6.01	20.48	7.95	27.08	6.38	21.74	8.54	29.12	5.80	19.75
1530	900	50	0.2	23.0	73.4	7.29	24.86	4.86	16.56	7.67	26.14	3.67	12.49	8.34	28.41	2.13	7.25
				24.0	75.2	7.33	24.98	5.16	17.57	7.68	26.19	4.10	13.97	8.35	28.45	2.59	8.81
				27.0	80.6	7.44	25.34	5.61	19.10	7.73	26.35	5.40	18.41	8.38	28.55	3.96	13.50
				31.0	87.8	7.80	26.57	5.94	20.25	7.86	26.80	6.26	21.35	8.42	28.71	5.68	19.35
1156	680	100	0.4	23.0	73.4	7.26	24.73	4.82	16.44	7.62	25.97	3.63	12.36	8.29	28.26	2.12	7.20
				24.0	75.2	7.29	24.84	5.12	17.45	7.63	26.02	4.06	13.83	8.30	28.30	2.57	8.74
				27.0	80.6	7.38	25.17	5.57	18.99	7.67	26.16	5.36	18.26	8.33	28.39	3.92	13.35
				31.0	87.8	7.76	26.44	5.88	20.02	7.82	26.67	6.21	21.18	8.37	28.53	5.63	19.18

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 115°F (46°C)											
						Indoor Air Wet Bulb Temperature °F (°C)											
						63F (17°C)				67°F (19°C)				72°F (22°C)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
1836	1080	0	0.0	23.0	73.4	6.56	22.34	4.44	15.12	6.94	23.65	3.38	11.53	7.54	25.69	1.95	6.63
				24.0	75.2	6.59	22.47	4.70	16.03	6.96	23.72	3.78	12.87	7.55	25.72	2.38	8.09
				27.0	80.6	6.71	22.86	5.10	17.37	7.02	23.92	4.96	16.90	7.58	25.82	3.66	12.47
				31.0	87.8	7.00	23.86	5.40	18.41	7.09	24.18	5.75	19.59	7.63	26.02	5.22	17.80
1683	990	25	0.1	23.0	73.4	6.46	22.03	4.34	14.78	6.81	23.21	3.30	11.24	7.39	25.18	1.90	6.46
				24.0	75.2	6.50	22.16	4.60	15.67	6.83	23.28	3.68	12.55	7.40	25.22	2.32	7.88
				27.0	80.6	6.61	22.54	4.98	16.98	6.89	23.48	4.84	16.48	7.43	25.32	3.57	12.15
				31.0	87.8	6.91	23.53	5.28	17.99	6.96	23.73	5.60	19.10	7.48	25.51	5.09	17.35
1530	900	50	0.2	23.0	73.4	6.39	21.78	4.27	14.55	6.72	22.90	3.22	10.97	7.30	24.89	1.87	6.37
				24.0	75.2	6.42	21.88	4.53	15.43	6.73	22.94	3.60	12.27	7.31	24.92	2.27	7.74
				27.0	80.6	6.51	22.20	4.92	16.78	6.77	23.09	4.75	16.17	7.34	25.01	3.48	11.86
				31.0	87.8	6.83	23.28	5.22	17.79	6.89	23.47	5.50	18.75	7.38	25.15	4.99	17.00
1156	680	100	0.4	23.0	73.4	6.36	21.66	4.24	14.44	6.68	22.75	3.19	10.86	7.26	24.76	1.86	6.33
				24.0	75.2	6.38	21.76	4.50	15.33	6.69	22.79	3.57	12.15	7.27	24.79	2.25	7.68
				27.0	80.6	6.47	22.05	4.89	16.68	6.72	22.92	4.71	16.04	7.30	24.87	3.44	11.73
				31.0	87.8	6.80	23.17	5.16	17.59	6.85	23.36	5.46	18.60	7.33	24.99	4.94	16.85

Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 125°F (52°C)											
						Indoor Air Wet Bulb Temperature °F (°C)											
						63°F (17°C)				67°F (19°C)				72°F (22°C)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
1836	1080	0	0.0	23.0	73.4	6.42	21.88	4.30	14.63	6.80	23.17	3.35	11.41	7.38	25.16	1.93	6.56
				24.0	75.2	6.46	22.01	4.55	15.51	6.82	23.23	3.74	12.74	7.39	25.19	2.35	8.00
				27.0	80.6	6.57	22.39	4.93	16.81	6.87	23.43	4.91	16.72	7.42	25.29	3.62	12.34
				31.0	87.8	6.86	23.37	5.23	17.81	6.95	23.68	5.69	19.38	7.48	25.48	5.17	17.61
1683	990	25	0.1	23.0	73.4	6.33	21.58	4.20	14.31	6.67	22.74	3.26	11.12	7.24	24.67	1.88	6.39
				24.0	75.2	6.37	21.71	4.45	15.16	6.69	22.80	3.64	12.41	7.25	24.70	2.29	7.80
				27.0	80.6	6.48	22.08	4.82	16.43	6.75	22.99	4.78	16.30	7.27	24.80	3.53	12.02
				31.0	87.8	6.76	23.05	5.11	17.41	6.82	23.24	5.54	18.89	7.33	24.98	5.04	17.17
1530	900	50	0.2	23.0	73.4	6.26	21.33	4.13	14.08	6.58	22.43	3.19	10.86	7.15	24.38	1.85	6.30
				24.0	75.2	6.29	21.43	4.38	14.94	6.59	22.47	3.56	12.14	7.16	24.41	2.25	7.66
				27.0	80.6	6.38	21.74	4.77	16.24	6.63	22.61	4.70	16.00	7.19	24.50	3.44	11.73
				31.0	87.8	6.69	22.80	5.05	17.22	6.75	22.99	5.44	18.55	7.23	24.63	4.94	16.82
1156	680	100	0.4	23.0	73.4	6.23	21.22	4.10	13.97	6.54	22.29	3.15	10.74	7.12	24.25	1.84	6.26
				24.0	75.2	6.25	21.31	4.35	14.84	6.55	22.33	3.53	12.02	7.12	24.28	2.23	7.59
				27.0	80.6	6.34	21.59	4.74	16.14	6.59	22.44	4.66	15.86	7.15	24.36	3.41	11.61
				31.0	87.8	6.66	22.69	4.99	17.02	6.71	22.88	5.40	18.40	7.18	24.48	4.89	16.67

COOLING PERFORMANCE : (YE2HD30 + YE2SD30) & (YE2HD30 + YE2TD30) LOW SPEED

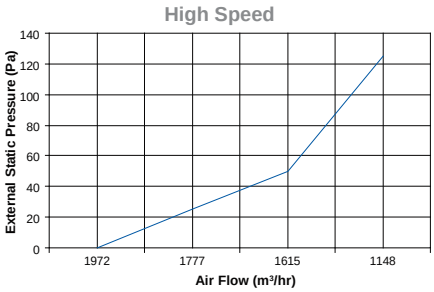
Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 95°F (35°C)											
						Indoor Air Wet Bulb Temperature °F (°C)											
						63°F (17°C)				67°F (19°C)				72°F (22°C)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
1717	1010	0	0.0	23.0	73.4	7.03	23.97	4.75	16.18	7.45	25.38	3.62	12.34	8.09	27.56	2.08	7.09
				24.0	75.2	7.07	24.11	5.03	17.15	7.47	25.45	4.04	13.78	8.10	27.60	2.54	8.66
				27.0	80.6	7.20	24.53	5.46	18.59	7.53	25.67	5.31	18.09	8.13	27.71	3.92	13.34
				31.0	87.8	7.51	25.61	5.78	19.70	7.61	25.94	6.15	20.97	8.19	27.92	5.59	19.05
1547	910	25	0.1	23.0	73.4	6.94	23.64	4.64	15.82	7.31	24.91	3.53	12.03	7.93	27.02	2.03	6.91
				24.0	75.2	6.98	23.78	4.92	16.77	7.33	24.98	3.94	13.43	7.94	27.06	2.48	8.44
				27.0	80.6	7.10	24.19	5.33	18.17	7.39	25.19	5.17	17.63	7.97	27.16	3.82	13.01
				31.0	87.8	7.41	25.25	5.65	19.25	7.47	25.46	6.00	20.44	8.03	27.37	5.45	18.57
1411	830	50	0.2	23.0	73.4	6.86	23.37	4.57	15.57	7.21	24.57	3.45	11.74	7.84	26.71	2.00	6.81
				24.0	75.2	6.89	23.48	4.85	16.52	7.22	24.62	3.86	13.13	7.85	26.74	2.43	8.28
				27.0	80.6	6.99	23.82	5.27	17.96	7.27	24.77	5.08	17.30	7.87	26.84	3.73	12.69
				31.0	87.8	7.33	24.98	5.59	19.04	7.39	25.19	5.89	20.07	7.92	26.99	5.34	18.19
1088	640	100	0.4	23.0	73.4	6.82	23.25	4.54	15.45	7.16	24.42	3.41	11.62	7.79	26.57	1.99	6.77
				24.0	75.2	6.85	23.35	4.81	16.41	7.18	24.46	3.82	13.00	7.80	26.60	2.41	8.21
				27.0	80.6	6.94	23.66	5.24	17.85	7.21	24.59	5.04	17.16	7.83	26.69	3.68	12.55
				31.0	87.8	7.29	24.86	5.52	18.82	7.36	25.07	5.84	19.91	7.87	26.82	5.29	18.03

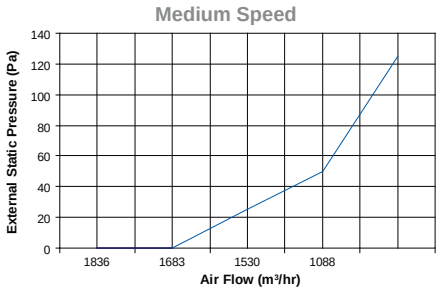
Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 115°F (46°C)											
						Indoor Air Wet Bulb Temperature °F (°C)											
						63F (17°C)				67°F (19°C)				72°F (22°C)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
1717	1010	0	0.0	23.0	73.4	6.16	21.00	4.17	14.22	6.52	22.24	3.18	10.84	7.08	24.15	1.83	6.23
				24.0	75.2	6.20	21.12	4.42	15.07	6.54	22.30	3.55	12.10	7.09	24.18	2.23	7.60
				27.0	80.6	6.31	21.49	4.79	16.33	6.60	22.49	4.66	15.89	7.12	24.27	3.44	11.72
				31.0	87.8	6.58	22.43	5.08	17.30	6.67	22.73	5.40	18.42	7.18	24.46	4.91	16.73
1547	910	25	0.1	23.0	73.4	6.08	20.71	4.08	13.90	6.40	21.82	3.10	10.56	6.95	23.67	1.78	6.07
				24.0	75.2	6.11	20.83	4.32	14.73	6.42	21.88	3.46	11.80	6.95	23.70	2.18	7.41
				27.0	80.6	6.22	21.19	4.68	15.96	6.47	22.07	4.55	15.49	6.98	23.80	3.35	11.42
				31.0	87.8	6.49	22.12	4.96	16.91	6.54	22.30	5.27	17.95	7.03	23.98	4.79	16.31
1411	830	50	0.2	23.0	73.4	6.01	20.47	4.01	13.67	6.32	21.52	3.03	10.32	6.86	23.40	1.76	5.99
				24.0	75.2	6.04	20.57	4.26	14.51	6.33	21.57	3.39	11.54	6.87	23.43	2.14	7.28
				27.0	80.6	6.12	20.87	4.63	15.77	6.37	21.70	4.46	15.20	6.90	23.51	3.27	11.15
				31.0	87.8	6.42	21.88	4.91	16.72	6.47	22.07	5.17	17.63	6.94	23.64	4.69	15.98
1088	640	100	0.4	23.0	73.4	5.98	20.36	3.98	13.57	6.28	21.39	3.00	10.21	6.83	23.27	1.75	5.95
				24.0	75.2	6.00	20.45	4.23	14.41	6.29	21.43	3.35	11.42	6.84	23.30	2.12	7.22
				27.0	80.6	6.08	20.73	4.60	15.68	6.32	21.54	4.42	15.07	6.86	23.38	3.24	11.03
				31.0	87.8	6.39	21.78	4.85	16.53	6.44	21.96	5.13	17.49	6.89	23.49	4.65	15.84

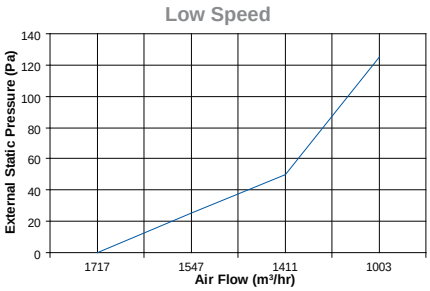
Air Flow Rate		ESP		Entering Air DBT		Outdoor Air Dry Bulb Temperature 125°F (52°C)											
						Indoor Air Wet Bulb Temperature °F (°C)											
						63°F (17°C)				67°F (19°C)				72°F (22°C)			
						Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity		Total Capacity		Sensible Capacity	
m^3/hr	cfm	Pa	in.wg	°C	°F	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh	kW	Mbh
1717	1010	0	0.0	23.0	73.4	6.04	20.57	4.04	13.76	6.39	21.78	3.15	10.72	6.94	23.65	1.81	6.17
				24.0	75.2	6.07	20.69	4.28	14.58	6.41	21.84	3.51	11.97	6.95	23.68	2.21	7.52
				27.0	80.6	6.18	21.05	4.64	15.80	6.46	22.02	4.61	15.72	6.98	23.77	3.40	11.60
				31.0	87.8	6.45	21.97	4.91	16.74	6.53	22.26	5.35	18.22	7.03	23.95	4.86	16.56
1547	910	25	0.1	23.0	73.4	5.95	20.29	3.95	13.45	6.27	21.37	3.07	10.45	6.80	23.19	1.77	6.01
				24.0	75.2	5.99	20.40	4.18	14.25	6.29	21.43	3.43	11.67	6.81	23.22	2.15	7.33
				27.0	80.6	6.09	20.76	4.53	15.45	6.34	21.61	4.50	15.32	6.84	23.31	3.32	11.30
				31.0	87.8	6.36	21.67	4.80	16.37	6.41	21.84	5.21	17.76	6.89	23.48	4.74	16.14
1411	830	50	0.2	23.0	73.4	5.88	20.05	3.88	13.23	6.19	21.08	3.00	10.21	6.72	22.92	1.74	5.92
				24.0	75.2	5.91	20.15	4.12	14.04	6.20	21.12	3.35	11.41	6.73	22.94	2.11	7.20
				27.0	80.6	6.00	20.44	4.48	15.26	6.24	21.26	4.41	15.04	6.76	23.03	3.24	11.03
				31.0	87.8	6.29	21.43	4.75	16.18	6.34	21.61	5.12	17.44	6.79	23.16	4.64	15.81
1088	640	100	0.4	23.0	73.4	5.85	19.95	3.86	13.14	6.15	20.95	2.96	10.10	6.69	22.80	1.73	5.88
				24.0	75.2	5.88	20.03	4.09	13.95	6.16	20.99	3.32	11.30	6.70	22.82	2.10	7.14
				27.0	80.6	5.96	20.30	4.45	15.17	6.19	21.10	4.38	14.91	6.72	22.90	3.20	10.91
				31.0	87.8	6.26	21.33	4.70	16.00	6.31	21.51	5.08	17.30	6.75	23.01	4.60	15.67

FAN PERFORMANCE CURVES – HIGH STATIC UNITS

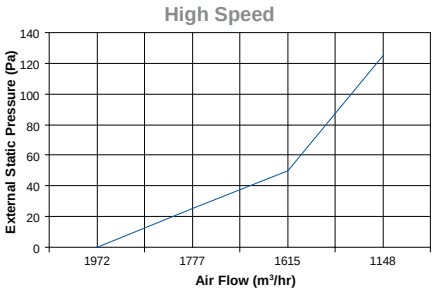
YE2HD24

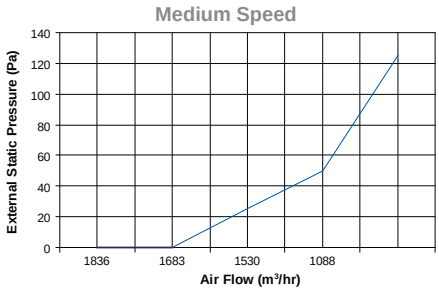


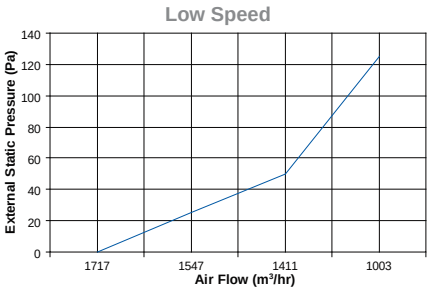




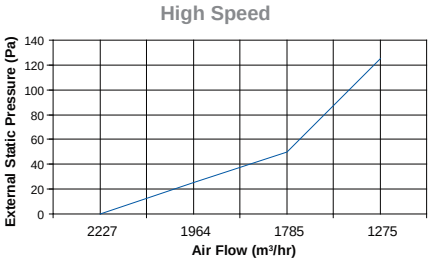
YE2HD30

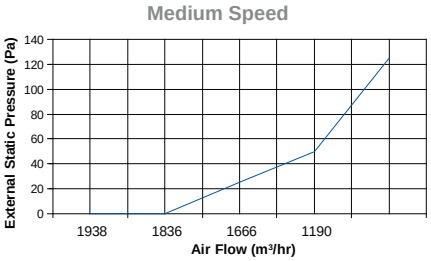


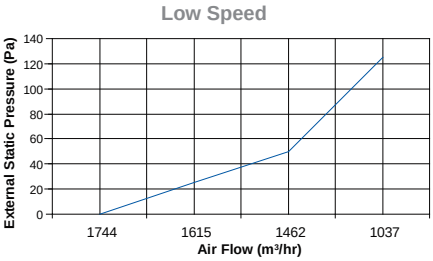




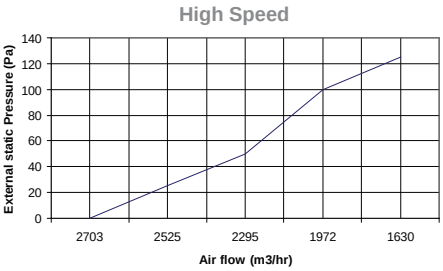
YE2HD36

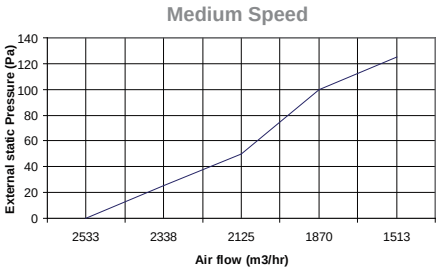


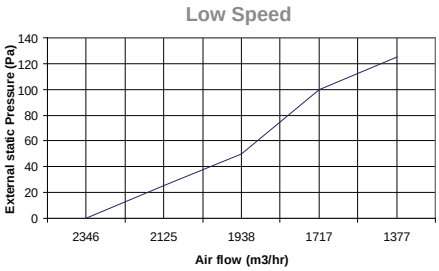




YE2HD42

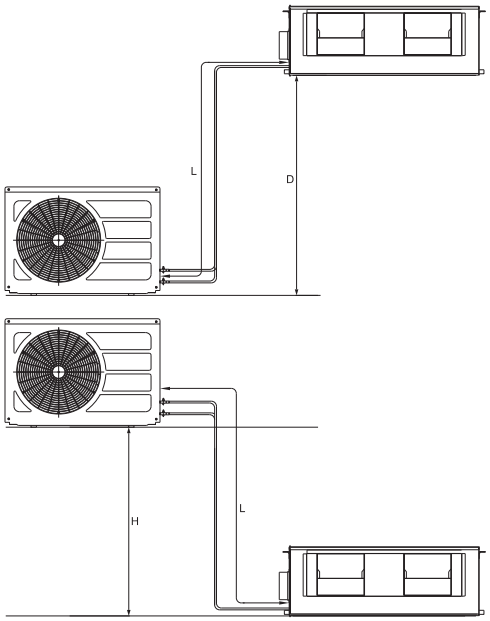






MAXIMUM PIPING LENGTHS (YE2LD + YE2SD) & (YE2HD + YE2SD)

- Reciprocating compressors for sizes 18 to 48
- Scroll compressors for sizes 60 to 70

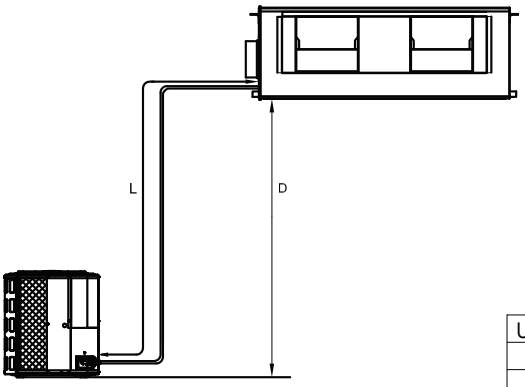


Unit Size	18	24	30	36	42	48	60	70
D (m)	23	23	23	27	27	27	27	27
L (m)	26	26	26	31	31	31	31	31
H (m)	21	21	21	25	25	25	25	25

Note: Install oil tap every 5 m if the difference in level is more than 5 m

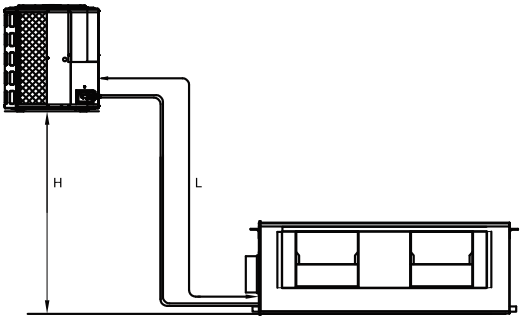
MAXIMUM PIPING LENGTHS (YE2LD + YE2TD) & (YE2HD + YE2TD)

- Reciprocating compressors for sizes 18 to 48
- Scroll compressors for sizes 60 to 70

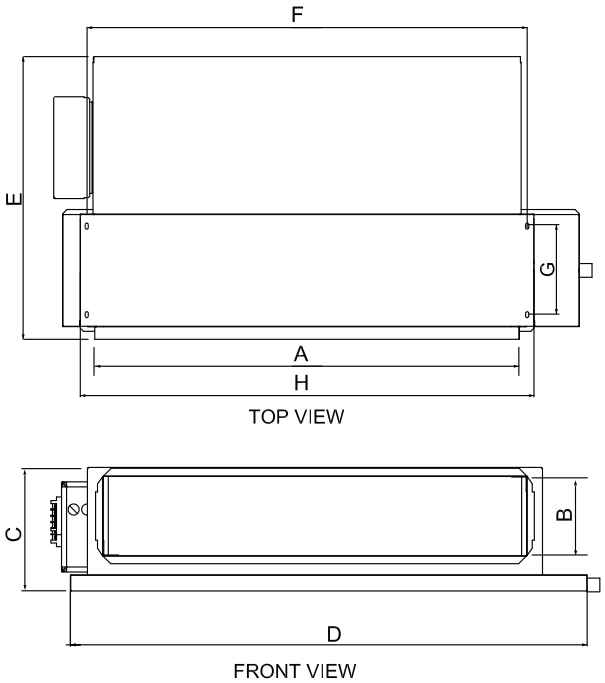


Unit Size	18	24	30	36	42	48	60	70
D (m)	23	23	23	27	27	27	27	27
L (m)	26	26	26	31	31	31	31	31
H (m)	21	21	21	25	25	25	25	25

Note: Install oil tap every 5 m if the difference in level is more than 5 m

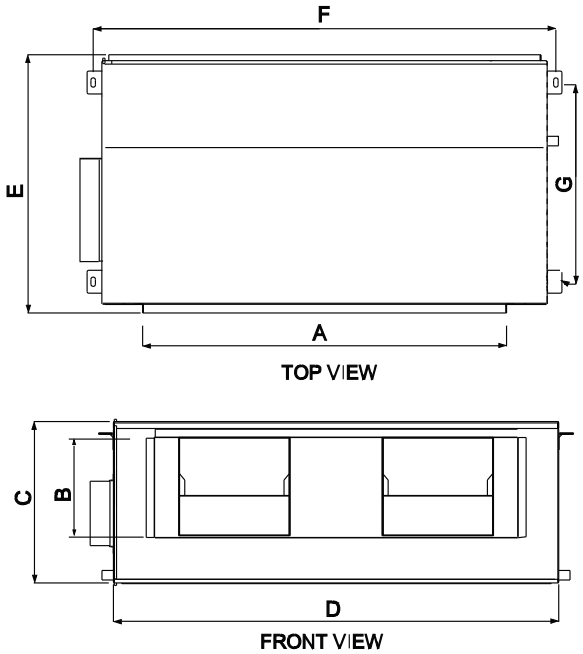


DIMENSIONAL DATA INDOOR UNITS



BLOW THROUGH CONFIGURATION

Model	Dimension (mm)							
	A	B	C	D	E	F	G	H
YE2LD18	642	134	220	800	450	673	147	700
YE2LD24	842	159	245	1025	469	873	147	900
YE2LD30	842	159	245	1025	469	873	147	900
YE2LD36	1072	134	245	1255	469	1103	147	1130
YE2HD24	842	159	285	1025	560	873	147	900
YE2HD30	842	159	285	1025	560	873	147	900



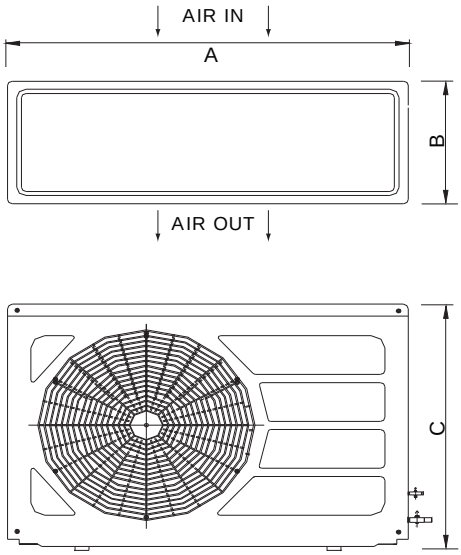
DRAW THROUGH CONFIGURATION

Model	Dimensions (mm)						
	A	B	C	D	E	F	G
YE2HD36	978.4	242.8	378	1100	656.2	1147	497
YE2HD42	978.4	242.8	378	1100	656.2	1147	497
YE2HD48	978.4	242.8	378	1100	656.2	1147	497
YE2HD60	981.6	272.2	435	1200	696.2	1247	537
YE2HD70	981.6	272.2	435	1200	696.2	1247	537

DIMENSIONAL DATA - OUTDOOR UNITS

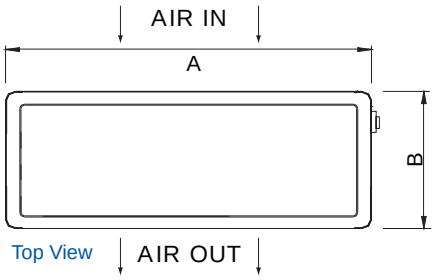
1. SIDE DISCHARGE CONDENSING UNITS

YE2SD18 to YE2SD42

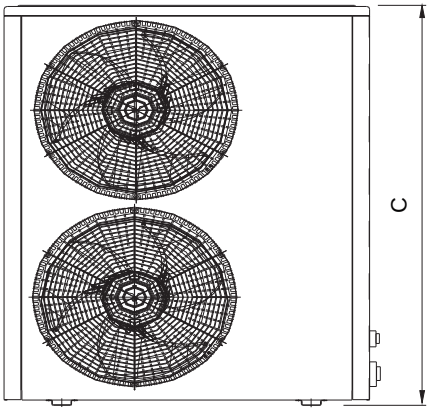


Model	Dimenison (mm)		
	A	B	C
YE2SD18 & 24	870	320	650
YE2SD 30 - 42	925	395	700

YE2SD48, YE2SD60



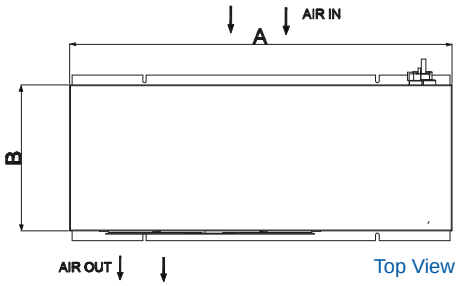
Top View



Front View

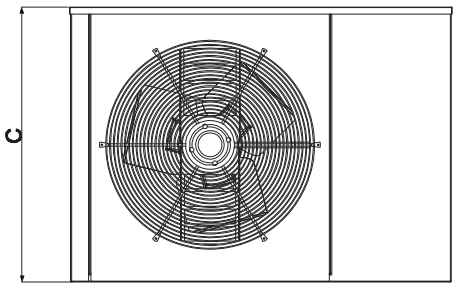
Model	Dimenison (mm)		
	A	B	C
YE2SD48 & 60	925	395	1150

YE2SD70



Top View

Front View



Model	Dimenison (mm)		
	A	B	C
YE2SD70	1314	497	946