TOPAIRE

air conditioner

Multi-Split Air Cooled Air Conditioner

With Multiple Independent Compressors Condensing Unit

Higher Efficiency • Enhanced Reliability • Space Saving • Multiple Compressor

BUATAN **MALAYSIA**

QUALITY SYSTEM SIRIM

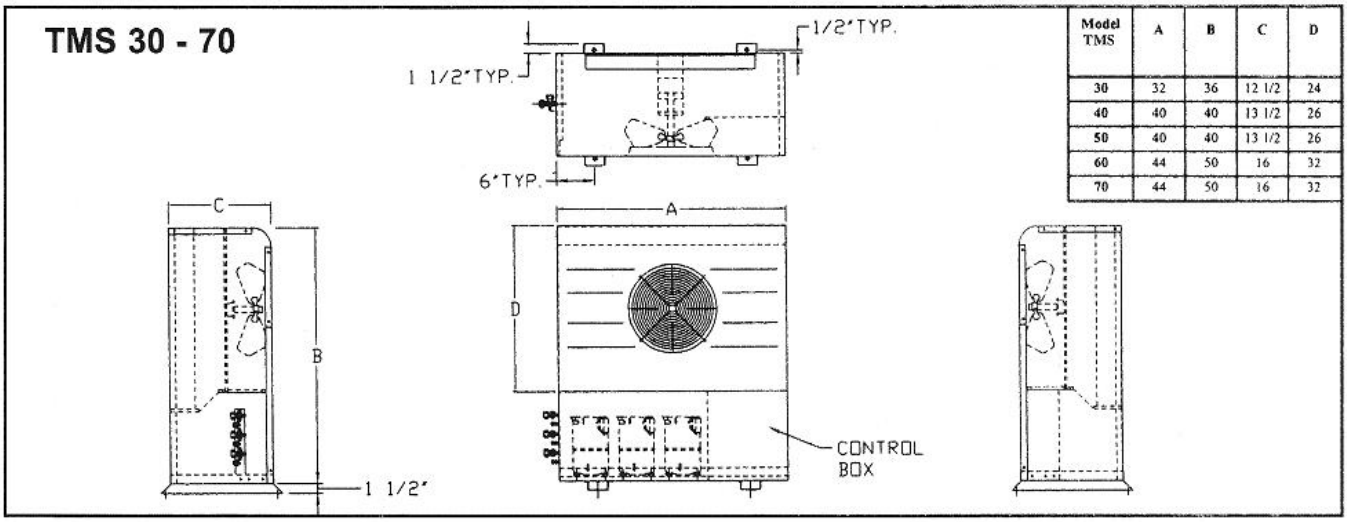
NATIONAL ACCREDITATION OF CERTIFICATION BODIES

MS ISO 9002 REG. NO AR0821

DIMENSIONAL DATA

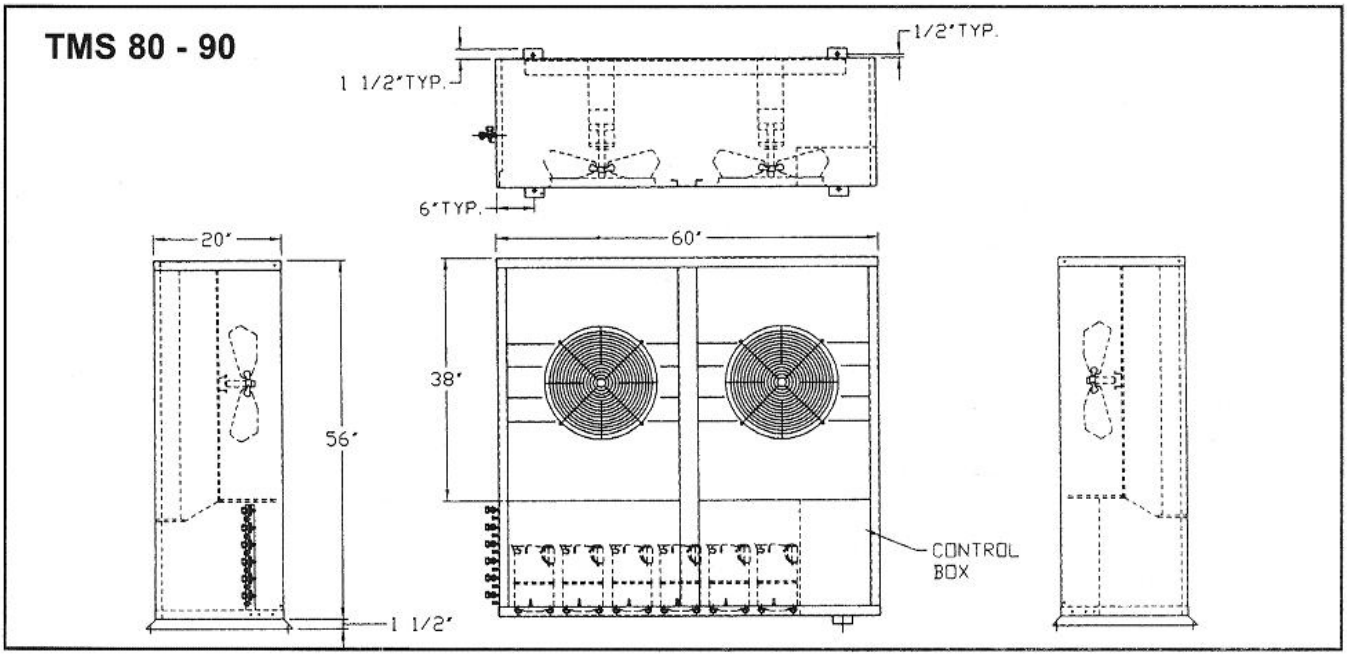
Air Cooled Multi Split Condensing using propeller fan (TMS-P)

TMS 30 - 70

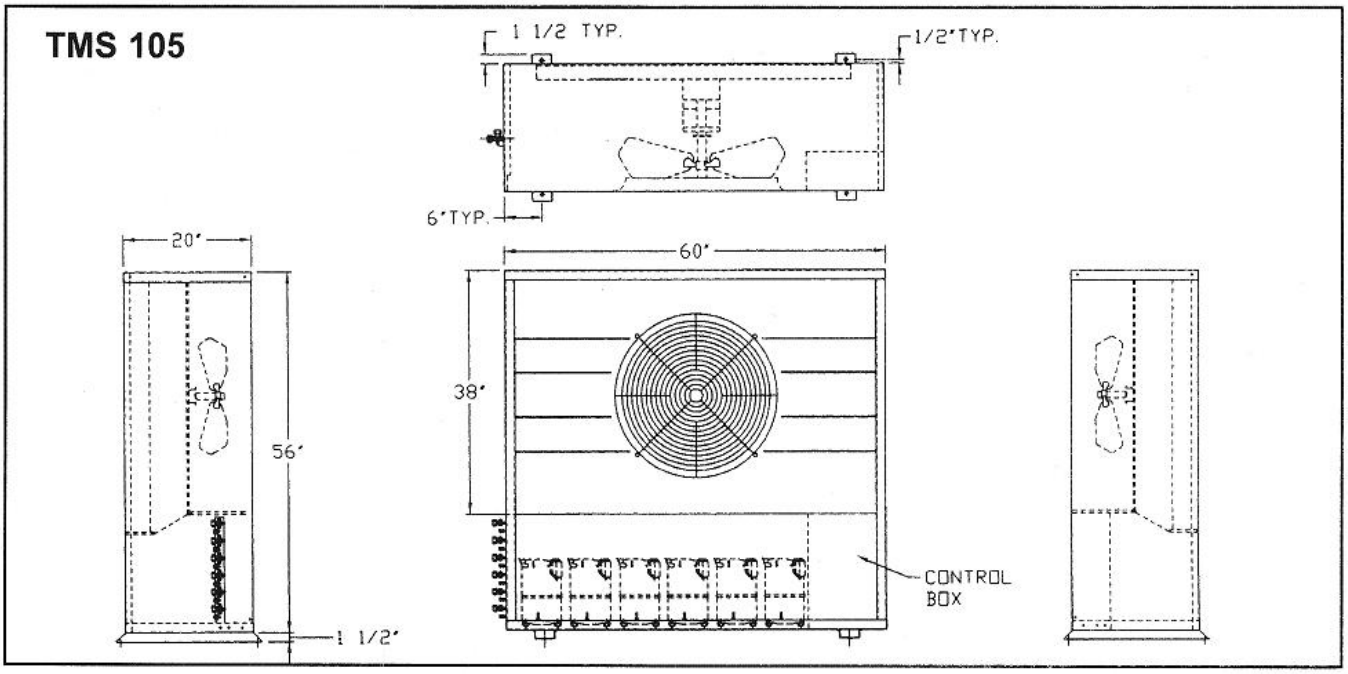


Model TMS	A	B	C	D
30	32	36	12 1/2	24
40	40	40	13 1/2	26
50	40	40	13 1/2	26
60	44	50	16	32
70	44	50	16	32

TMS 80 - 90



TMS 105



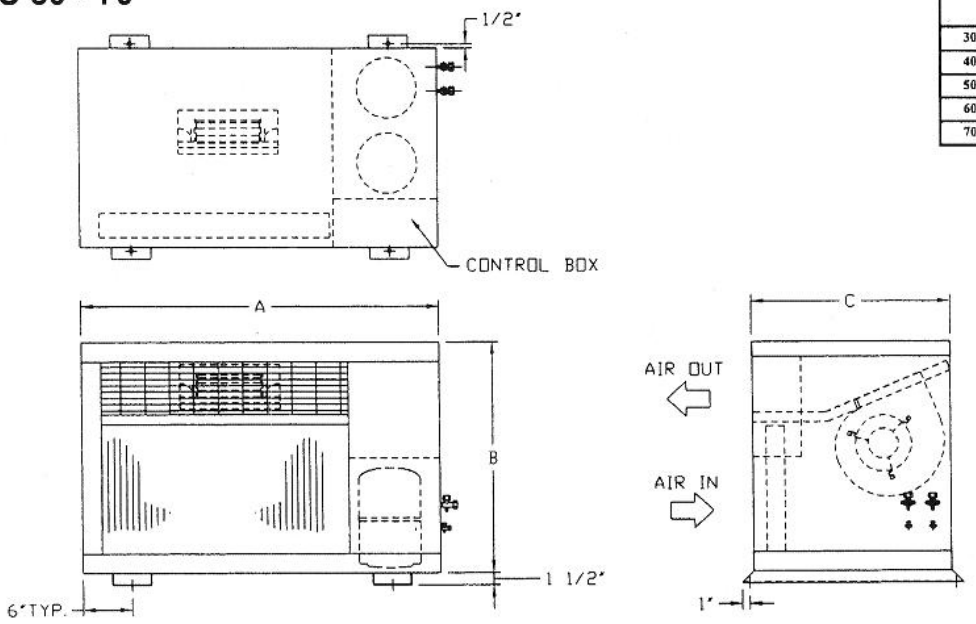
NOTE: ALL DIMENSION ARE IN INCHES.

DIMENSIONAL DATA

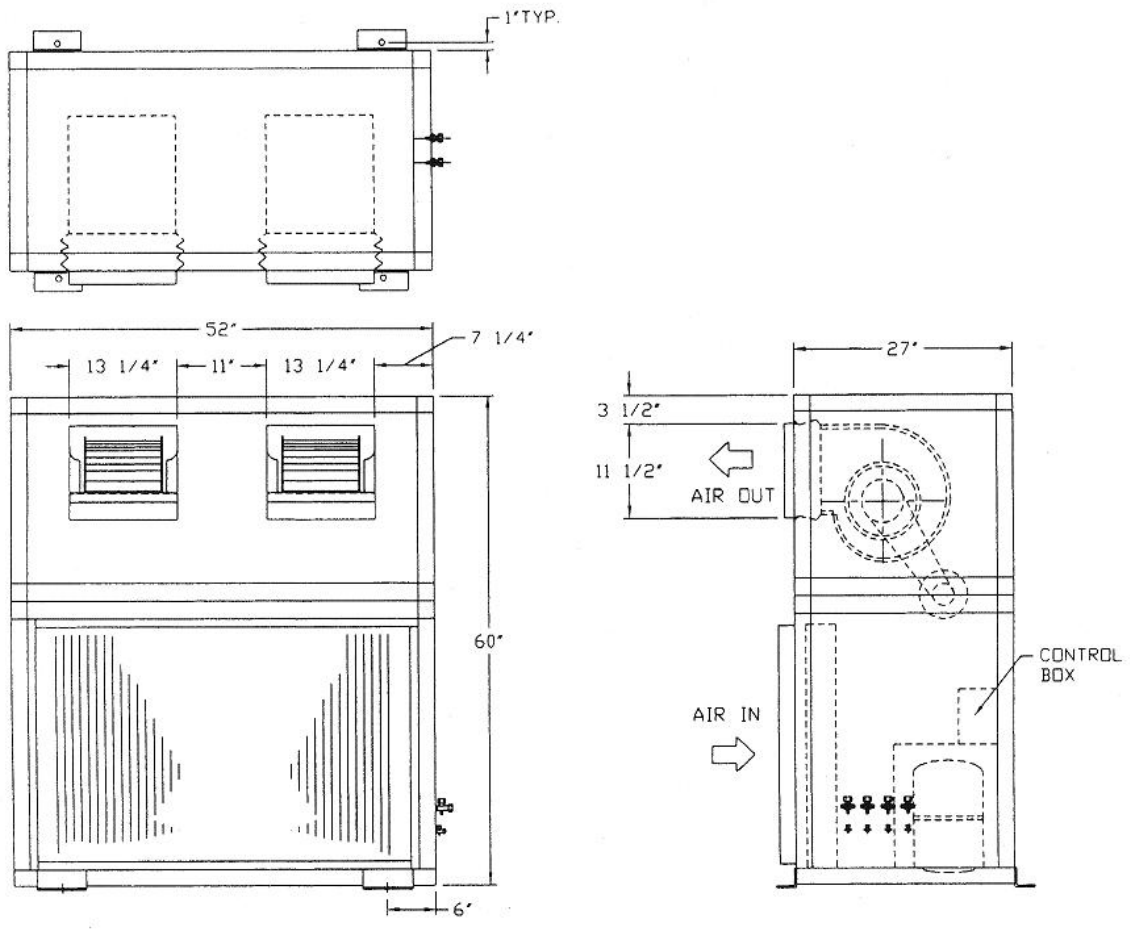
Air Cooled Multi Split using centrifugal fan (TMS-C)

TMS 30 - 70

Model TMS	A	B	C
30	38	23 1/2	18 1/2
40	44	28	24 1/2
50	44	28	24 1/2
60	44	32	24 1/2
70	44	32	24 1/2



TMS 80 - 105



NOTE: ALL DIMENSIONS ARE IN INCHES

Any combination bigger than 105 C and above, please refer to Topaire Sales & Services for more details

All specification are subject to change by the manufacturer without prior notice

The norminal cooling capacity is based on condenser air entering temperature 35°C ODDB and - air on coil temperature 26.6°C DB/19.4°C WB

TOP FEATURES

General Description
The Topaire Multi-split condensing units with multiple compressors, each with its own independent refrigerant circuit offer valuable space saving, and versatile system of air conditioning. This units are completely factory packaged, provided with shut off valves for connection to several type of direct expansion fancoil units, either wall mounted, ceiling exposed, floor exposed, cassette and ceiling concealed ducted.

Multiple Compressors
Compressor (s) shall be high efficiency hermetic reciprocating type with internal suspension to reduce vibration, pulse and noise and resiliently isolated from the unit base by external rubber isolates. Compressors are also internally protected by internal overload protector.

Compact Design
Single condensing units housing multiple compressors instead of several condensing unit saves valuable installation space.

Flexibility
Wide range of condensing unit selection enable multiple compressors of assorted size to match suitably selected direct expansion fancoil.

Coils
Each coil consists of staggered row of 3/8"OD seamless copper tubes, mechanically expanded into die formed aluminium fins. Each coil is provided with integral sub cooling circuit to maximize energy efficiency. Coil are leak and pressure tested to 450 psig evacuated and dehydrated.

Casing
All steel parts are coated with epoxy-acrylic electro deposition (ED) paint, which gives excellent finishing. ED painting can even coat the inaccessible places like the edge, joints or interior surface of hollow section.

Propeller condenser fans
Condenser unit (TMS-P) with propeller condenser is suitable for the outdoor installation only.

Centrifugal condenser fans
Centrifugal condenser fan units (TMS-C) are suitable for the indoor only.

Model		TMS							
		30	40	50	60	70	80	90	105
MAX HEAT REJECTION		30	40	50	60	70	80	90	105
COIL	FACE AREA	4	6.6	6.6	9	9	13.9	13.9	13.9
	ROWS / FPI	2/12	2/14	3/14	2/14	3/12	2/14	3/14	3/12
CONDENSER FAN	QTY	1	1	1	1	1	2	2	1
	POWER SUPPLY	240 / 1 / 50							
	MTR HP	1/12	1/12	1/5	1/5	1/5	1/5	1/5	1/2
	BLADE DIA.	16	18	18	22	22	18	18	26
MAX OPERATING WEIGHT		210	240	300	380	400	480	500	520
DIMENSION	WIDTH	32	40	40	44	44	60	60	60
	DEPTH	12.5	16	16	16	16	20	20	20
	HEIGHT	36	40	40	50	50	56	56	56

** Any combination bigger than 105P or C and above, please refer to Topaire Sales & Services Sdn Bhd for more details*

COMPRESSOR SIZE	10	13	18	20	22	26	30	36
HEAT REJECTION (MBH)	12.3	14.7	24.6	24.6	28.5	33.9	39.2	46.7
POWER SUPPLY	240 / 1 / 50							
MAX. RUN AMP	7.2	7.5	8	9.3	11.9	15	16.9	19.6
LOCKED ROTOR AMP.	21	35	39	46	46	58	70	96
NOM. RUN AMP.	4	6.3	6.8	7.6	8.6	10.8	12.2	16.7
LIQUID CONNECTION (IN)	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
SUCTION CONNECTION (IN)	3/8	1/2	5/8	5/8	5/8	5/8	3/4	3/4

COMPRESSOR SIZE	40	50	68	81	95	108	125	145
HEAT REJECTION (MBH)	51.9	64.9	78.8	94.7	111.7	130	146.3	169
POWER SUPPLY	415 / 3 / 50							
MAX. RUN AMP	8.2	10.4	12.8	17	23	20	26.9	27.5
LOCKED ROTOR AMP.	46	55	79	101	95	130	125	125
NOM. RUN AMP.	6.6	8.4	9.7	9.7	11.2	13.2	14.4	18.2
LIQUID CONNECTION (IN)	3/8	3/8	3/8	1/2	1/2	1/2	1/2	1/2
SUCTION CONNECTION (IN)	3/4	3/4	7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8

NOTE;
1) Compressor Heat rejection capacity are based on 125°F condensing temperature and 45°F saturated suction temperature.
2) Any combination bigger than 105P or C and above, please refer to Topaire Sales & Services Sdn Bhd for more details.

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