



METRA CLARK

Refrigeration & Air-Conditioning Wholesale

DYNABASE

BOCK SEMI HERMETIC



Catalogue

OUR MISSION AND CORE VALUES

Support our customers with friendly, skillful, and reliable expertise. Deliver refrigeration and air-conditioning products with the highest quality in the most efficient manner.

Metraclark conducts business as follows:



Devoted to honourable and ethical business practices.



Committed to customer support and service.



Dedicated to employee development.



Committed to continuous product development with the goal of reducing environmental impact.



Dedicated to building and maintain customer and supplier relationships.



Devoted to supplying cost effective food preservation and comfort cooling products available throughout Southern Africa.

QUALIFIED ENGINEERS CONTINUOUS DEVELOPMENT
EXPERIENCED QUALITY INTERNATIONAL ISO : 9001
LOCAL MANUFACTURING LATEST PRODUCTS
RELIABILITY BESPOKE
INNOVATION **DYNAMIC TECHNOLOGY**
BESPOKE ENERGY SAVING QUALIFIED ENGINEERS
TECHNOLOGY LARGEST SALES NETWORK IN AFRICA

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COMMENTS

The DynaBase range of air-cooled condensing units have been designed utilising first order thermodynamic principles to ensure optimal component sizing and high refrigeration efficiency. The DynaBase range has been adapted to fit **BOCK** semi-hermetic, **Copeland** scroll, **Copeland** reciprocating, **Danfoss** reciprocating, and **Tecumseh** reciprocating compressors. The range includes more than **700** different model variants from 0.5 HP up to 50 HP compressors, with one fan condenser bases up to six fan condenser bases, suited for low-, medium-, and high temperature applications. Therefore, the DynaBase range is the largest range of reciprocating and scroll compressor condensing units suited for every commercial refrigeration application under the Metraclark Dynamic brand. The DynaBase range is manufactured under strict ISO 9001:2015 quality management and all units are pressure tested before dispatching.

DESIGN

- DynaBase condensers and base frames utilize a modular design approach for a larger cooling capacity range of products.
- Multi-refrigerant design options available: R134a, R404a, R507a, and R407F.
- Four condenser design configurations to suite all southern African ambient conditions.
- All sheet metal is fully powder coated for corrosion resistance.

OPTIONAL EXTRAS

- Condenser fan speed control.
- BluChem treatment for condenser coil.
- BPHE for hot water recovery.
- Full integrated compressor, condenser, and evaporator electrics.

ENERGY EFFICIENCY OPTIONS

- Digital enhancement for energy saving: Digital and mechanical capacity unloading, VFD, and soft starters to reduce starting inrush current.

STANDARD COMPONENTS

- Powder coated mild steel base frame.
- Copper tube and aluminium finned condenser coil block.
- EBM Axial fans with protective grill.
- Liquid receiver with outlet isolating valve.
- Suction and discharge vibration eliminators where applicable according to compressor.
- Oil separator with oil return line where applicable according to refrigerant flow rate.
- Suction accumulator on low temperature units.
- Liquid line with drier and sight glass.
- Replaceable liquid line filter drier on units with compressors of 20 HP and up.
- Individual Danfoss HP and LP switches, and pressure gauges.
- Danfoss HP Auto pressure switches for head pressure regulation on multiple fan units.
- Service valves where applicable according to compressor type.
- Thermistor motor protection module.
- Compressor crankcase heater.
- Pre-wired compressor terminal box.

NOMENCLATURE

The model designation contains the following technical information about the standard DynaBase range:

COMPRESSOR SWEPT VOLUME

[cm³]

DESIGN SERIES

Code	Description
HT	High Ambient Med Temp
MT	Medium Temp Applications
HL	High Ambient Low Temp
LT	Low Temp Applications

REFRIGERANT

Code	Description
Z	R507a / R404a
Y	R134a
F	R407F

DB MT G 315 B Z T

DYNAMIC PRODUCT NAME

Code	Description
DB	DynaBase

NUMBER OF FANS

Code	Description
A	Single Fan
B	Two Fans
C	Three Fans
D	Four Fans
F	Six Fans

TECHNOLOGY & BORE

Code	Description
G	Bock Semi-Hermetic suction gas cooled compressor.

CONDENSING UNIT VOLTAGE

Code	Description
T	Three Phase / 380 Vac / 50 Hz

FOR MORE INFORMATION PLEASE CONTACT YOUR NEAREST METRA CLARK
OUTLET OR THE METRA CLARK ENGINEERING DEPARTMENT

HIGH AMB MED TEMP

COOLING CAPACITY [kW]

R404A/R507

Model Reference	Ambient Temperature [°C]	Suction Temperature [°C]					
		-15	-10	-5	0	5	10
DBHTG060AZT	34	1.84	2.37	3.01	3.75	4.62	5.61
	36	1.74	2.26	2.87	3.59	4.43	5.39
	38	1.64	2.14	2.73	3.43	4.24	5.17
	40	1.55	2.02	2.59	3.26	4.05	4.95
DBHTG075AZT	34	2.42	3.08	3.86	4.77	5.82	7.02
	36	2.30	2.94	3.69	4.57	5.59	6.76
	38	2.19	2.80	3.52	4.38	5.36	6.50
	40	2.07	2.66	3.36	4.18	5.14	6.24
DBHTG110AZT	34	3.40	4.31	5.37	6.61	8.04	9.68
	36	3.23	4.11	5.13	6.33	7.72	9.31
	38	3.07	3.90	4.89	6.05	7.40	8.94
	40	2.90	3.70	4.65	5.77	7.07	8.56
DBHTG125AZT	34	4.10	5.25	6.58	8.09	9.79	11.69
	36	3.90	5.01	6.29	7.76	9.42	11.28
	38	3.69	4.76	6.01	7.44	9.05	10.87
	40	3.48	4.51	5.72	7.11	8.68	10.45
DBHTG160AZT	34	5.03	6.47	8.15	10.07	12.24	14.67
	36	4.77	6.16	7.79	9.65	11.76	14.14
	38	4.51	5.85	7.42	9.23	11.28	13.59
	40	4.24	5.54	7.05	8.80	10.80	13.05
DBHTG215AZT	34	6.60	8.55	10.87	13.60	16.77	20.44
	36	6.23	8.10	10.34	12.98	16.06	19.62
	38	5.86	7.65	9.80	12.36	15.34	18.80
	40	5.48	7.20	9.27	11.74	14.63	17.98
DBHTG255BZT	34	7.88	10.21	12.95	16.15	19.83	24.02
	36	7.45	9.69	12.34	15.43	19.00	23.08
	38	7.02	9.17	11.73	14.72	18.18	22.14
	40	6.60	8.66	11.11	14.00	17.35	21.20
DBHTG315BZT	34	9.96	12.70	15.91	19.66	23.97	28.90
	36	9.44	12.08	15.19	18.81	22.99	27.77
	38	8.93	11.46	14.46	17.95	22.00	26.64
	40	8.41	10.84	13.72	17.10	21.01	25.51
DBHTG380BZT	34	12.43	15.69	19.51	23.94	29.02	34.82
	36	11.82	14.96	18.64	22.92	27.84	33.46
	38	11.21	14.22	17.77	21.90	26.66	32.10
	40	10.60	13.49	16.90	20.88	25.48	30.74
DBHTG475CZT	34	16.00	20.23	25.25	31.12	37.96	45.83
	36	15.22	19.31	24.16	29.86	36.51	44.18
	38	14.43	18.38	23.07	28.60	35.06	42.53
	40	13.65	17.44	21.97	27.33	33.59	40.86
DBHTG565CZT	34	19.36	24.41	30.38	37.38	45.51	54.89
	36	18.44	23.32	29.10	35.89	43.81	52.95
	38	17.52	22.22	27.81	34.40	42.09	50.99
	40	16.59	21.11	26.51	32.90	40.36	49.03
DBHTG665CZT	34	22.12	28.00	34.96	43.13	52.62	63.57
	36	21.02	26.70	33.44	41.36	50.59	61.25
	38	19.93	25.40	31.91	39.59	48.55	58.93
	40	18.83	24.09	30.38	37.81	46.51	56.59
DBHTG770BZT	34	25.93	32.69	40.69	50.08	61.01	73.60
	36	24.67	31.20	38.94	48.05	58.66	70.92
	38	23.42	29.70	37.19	46.01	56.31	68.24
	40	22.16	28.20	35.42	43.96	53.95	65.54
DBHTG850FZT	34	28.89	36.38	45.25	55.64	67.73	81.68
	36	27.51	34.74	43.32	53.41	65.16	78.74
	38	26.13	33.10	41.39	51.17	62.58	75.79
	40	24.74	31.45	39.46	48.92	59.99	72.83
DBHTG995FZT	34	33.55	42.52	53.04	65.25	79.31	95.35
	36	31.88	40.54	50.71	62.55	76.20	91.81
	38	30.20	38.55	48.37	59.83	73.08	88.25
	40	28.53	36.56	46.03	57.11	69.95	84.68
DBHTG1155FZT	34	38.91	49.07	61.10	75.23	91.66	110.62
	36	37.03	46.84	58.48	72.19	88.16	106.63
	38	35.14	44.60	55.86	69.13	84.65	102.62
	40	33.26	42.35	53.22	66.07	81.12	98.59
DBHTG1340DZT	34	45.85	58.00	72.28	88.89	108.03	129.92
	36	43.58	55.29	69.08	85.16	103.74	125.03
	38	41.30	52.56	65.86	81.41	99.42	120.09
	40	39.01	49.81	62.61	77.62	95.05	115.10
DBHTG1540DZT	34	53.18	67.04	83.30	102.19	123.94	148.80
	36	50.59	63.94	79.65	97.94	119.05	143.21
	38	47.98	60.82	75.97	93.65	114.10	137.56
	40	45.36	57.68	72.25	89.32	109.11	131.86
DBHTG1750DZT	34	60.49	76.20	94.61	116.01	140.65	168.79
	36	57.55	72.69	90.48	111.19	135.10	162.46
	38	54.60	69.15	86.30	106.33	129.49	156.06
	40	51.63	65.59	82.09	101.42	123.84	149.60

DESIGN CRITERIA: Subcooling: 0 [K] / Suction superheat: 10 [K]

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*Cooling capacities listed are estimated values.

**Cooling capacities subject to change without notice.

***Oil separator for 4HP compressors and up.

****Pipe sizing design criteria of 10m pipe runs.

TECHNICAL SPECIFICATION

MODEL REFERENCE	CONDENSER MODEL	STUB CONNECTIONS		RECEIVER VOLUME	DIMENSIONS			FLA	STOCK CODE
		Liquid	Suction	[L]	L [m]	W [m]	H [m]	[A]	
DBHTG060AZT	HAC 3514	3/8"	5/8"	4	0.525	0.900	0.59	4.25	REB10056
DBHTG075AZT	HAC 4013	3/8"	5/8"	7	0.625	1.060	0.695	5.04	REB10106
DBHTG110AZT	HAC 5012	3/8"	5/8"	9	0.775	1.060	0.845	7.51	REB10156
DBHTG125AZT	HAC 5013	5/8"	7/8"	9	0.775	1.060	0.845	7.61	REB10206
DBHTG160AZT	HAC 5013	5/8"	7/8"	9	0.775	1.060	0.845	9.01	REB10256
DBHTG215AZT	HAC 5016	5/8"	1 1/8"	9	0.775	1.060	0.845	11.91	REB10306
DBHTG255BZT	HAC 5023	5/8"	1 1/8"	19	1.525	1.060	0.845	15.02	REB10356
DBHTG315BZT	HAC 5023	5/8"	1 1/8"	19	1.525	1.060	0.845	17.52	REB10406
DBHTG380BZT	HAC 5024	5/8"	1 1/8"	19	1.525	1.060	0.845	20.82	REB10456
DBHTG475CZT	HAC 5033	7/8"	1 3/8"	29	2.275	1.060	0.845	27.23	REB10506
DBHTG565CZT	HAC 5034	7/8"	1 5/8"	29	2.275	1.060	0.845	30.23	REB10556
DBHTG665CZT	HAC 5036	7/8"	1 5/8"	29	2.275	1.060	0.845	34.23	REB10606
DBHTG770BZT	HAC 6323	7/8"	1 5/8"	60	2.325	1.380	1.29	44.56	REB10656
DBHTG850FZT	HAC 5063	1 1/8"	2 1/8"	58	2.325	1.380	1.6	47.86	REB10706
DBHTG995FZT	HAC 5064	1 1/8"	2 1/8"	58	2.325	1.380	1.6	54.86	REB10756
DBHTG1155FZT	HAC 5065	1 1/8"	2 1/8"	58	2.325	1.380	1.6	66.76	REB10806
DBHTG1340DZT	HAC 2 * 6323	1 3/8"	2 1/8"	120	2.325	1.380	2.58	65.3	REB10856
DBHTG1540DZT	HAC 2 * 6323	1 3/8"	2 1/8"	120	2.325	1.380	2.58	75	REB10906
DBHTG1750DZT	HAC 2 * 6324	1 3/8"	2 1/8"	120	2.325	1.380	2.58	86.8	REB10956

ENGINEERING NOTES:

*DynaBase units are to be installed and operated outside, in a well ventilated area, with suggested minimum wall clearance.

**Anti-vibration pads are to be used under the feet of the unit.

***Contact the Metraclark Engineering department for alternative DynaBase configurations.

MEDIUM TEMPERATURE

COOLING CAPACITY [kW]

R404A/R507

Model Reference	Ambient Temperature [°C]	Suction Temperature [°C]					
		-15	-10	-5	0	5	10
DBMTG060AZT	30	1.94	2.49	3.15	3.92	4.81	5.83
	32	1.84	2.37	3.01	3.75	4.62	5.61
	34	1.74	2.26	2.87	3.59	4.43	5.39
	36	1.64	2.14	2.73	3.43	4.24	5.17
DBMTG075AZT	30	2.54	3.23	4.03	4.97	6.05	7.28
	32	2.42	3.08	3.86	4.77	5.82	7.02
	34	2.30	2.94	3.69	4.57	5.59	6.76
	36	2.19	2.80	3.52	4.38	5.36	6.50
DBMTG110AZT	30	3.57	4.51	5.61	6.89	8.37	10.05
	32	3.40	4.31	5.37	6.61	8.04	9.68
	34	3.23	4.11	5.13	6.33	7.72	9.31
	36	3.07	3.90	4.89	6.05	7.40	8.94
DBMTG125AZT	30	4.31	5.50	6.86	8.41	10.15	12.10
	32	4.10	5.25	6.58	8.09	9.79	11.69
	34	3.90	5.01	6.29	7.76	9.42	11.28
	36	3.69	4.76	6.01	7.44	9.05	10.87
DBMTG160AZT	30	5.29	6.79	8.51	10.48	12.71	15.21
	32	5.03	6.47	8.15	10.07	12.24	14.67
	34	4.77	6.16	7.79	9.65	11.76	14.14
	36	4.51	5.85	7.42	9.23	11.28	13.59
DBMTG215AZT	30	6.97	8.99	11.40	14.21	17.49	21.25
	32	6.60	8.55	10.87	13.60	16.77	20.44
	34	6.23	8.10	10.34	12.98	16.06	19.62
	36	5.86	7.65	9.80	12.36	15.34	18.80
DBMTG255AZT	30	8.32	10.73	13.56	16.86	20.65	24.96
	32	7.88	10.21	12.95	16.15	19.83	24.02
	34	7.45	9.69	12.34	15.43	19.00	23.08
	36	7.02	9.17	11.73	14.72	18.18	22.14
DBMTG315AZT	30	10.47	13.31	16.64	20.50	24.95	30.02
	32	9.96	12.70	15.91	19.66	23.97	28.90
	34	9.44	12.08	15.19	18.81	22.99	27.77
	36	8.93	11.46	14.46	17.95	22.00	26.64
DBMTG380BZT	30	13.05	16.43	20.38	24.96	30.20	36.18
	32	12.43	15.69	19.51	23.94	29.02	34.82
	34	11.82	14.96	18.64	22.92	27.84	33.46
	36	11.21	14.22	17.77	21.90	26.66	32.10
DBMTG475BZT	30	16.78	21.16	26.33	32.38	39.40	47.47
	32	16.00	20.23	25.25	31.12	37.96	45.83
	34	15.22	19.31	24.16	29.86	36.51	44.18
	36	14.43	18.38	23.07	28.60	35.06	42.53
DBMTG565BZT	30	20.28	25.50	31.65	38.86	47.21	56.83
	32	19.36	24.41	30.38	37.38	45.51	54.89
	34	18.44	23.32	29.10	35.89	43.81	52.95
	36	17.52	22.22	27.81	34.40	42.09	50.99
DBMTG665CZT	30	23.21	29.29	36.48	44.89	54.65	65.87
	32	22.12	28.00	34.96	43.13	52.62	63.57
	34	21.02	26.70	33.44	41.36	50.59	61.25
	36	19.93	25.40	31.91	39.59	48.55	58.93
DBMTG770CZT	30	27.18	34.18	42.44	52.11	63.34	76.26
	32	25.93	32.69	40.69	50.08	61.01	73.60
	34	24.67	31.20	38.94	48.05	58.66	70.92
	36	23.42	29.70	37.19	46.01	56.31	68.24
DBMTG850CZT	30	30.26	38.01	47.16	57.87	70.29	84.60
	32	28.89	36.38	45.25	55.64	67.73	81.68
	34	27.51	34.74	43.32	53.41	65.16	78.74
	36	26.13	33.10	41.39	51.17	62.58	75.79
DBMTG995BZT	30	35.22	44.51	55.36	67.95	82.40	98.89
	32	33.55	42.52	53.04	65.25	79.31	95.35
	34	31.88	40.54	50.71	62.55	76.20	91.81
	36	30.20	38.55	48.37	59.83	73.08	88.25
DBMTG1155BZT	30	40.78	51.29	63.71	78.26	95.15	114.60
	32	38.91	49.07	61.10	75.23	91.66	110.62
	34	37.03	46.84	58.48	72.19	88.16	106.63
	36	35.14	44.60	55.86	69.13	84.65	102.62
DBMTG1340FZT	30	48.10	60.70	75.45	92.57	112.27	134.76
	32	45.85	58.00	72.28	88.89	108.03	129.92
	34	43.58	55.29	69.08	85.16	103.74	125.03
	36	41.30	52.56	65.86	81.41	99.42	120.09
DBMTG1540FZT	30	55.75	70.12	86.92	106.40	128.79	154.33
	32	53.18	67.04	83.30	102.19	123.94	148.80
	34	50.59	63.94	79.65	97.94	119.05	143.21
	36	47.98	60.82	75.97	93.65	114.10	137.56
DBMTG1750FZT	30	63.41	79.68	98.71	120.78	146.14	175.06
	32	60.49	76.20	94.61	116.01	140.65	168.79
	34	57.55	72.69	90.48	111.19	135.10	162.46
	36	54.60	69.15	86.30	106.33	129.49	156.06

DESIGN CRITERIA: Subcooling: 0 [K] / Suction superheat: 10 [K]

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*Cooling capacities listed are estimated values.

**Cooling capacities subject to change without notice.

***Oil separator for 4HP compressors and up.

****Pipe sizing design criteria of 10m pipe runs.

TECHNICAL SPECIFICATION

MODEL REFERENCE	CONDENSER MODEL	STUB CONNECTIONS		RECEIVER VOLUME [L]	DIMENSIONS			FLA [A]	STOCK CODE
		Liquid	Suction		L [m]	W [m]	H [m]		
DBMTG060AZT	HAC 3513	3/8"	5/8"	4	0.525	0.900	0.59	4	REB20056
DBMTG075AZT	HAC 3514	3/8"	5/8"	4	0.525	0.900	0.59	5	REB20106
DBMTG110AZT	HAC 4013	3/8"	5/8"	7	0.625	1.060	0.695	7	REB20156
DBMTG125AZT	HAC 4014	5/8"	7/8"	7	0.625	1.060	0.695	7	REB20206
DBMTG160AZT	HAC 5012	5/8"	7/8"	9	0.775	1.060	0.845	9	REB20256
DBMTG215AZT	HAC 5013	5/8"	1 1/8"	9	0.775	1.060	0.845	12	REB20306
DBMTG255AZT	HAC 5014	5/8"	1 1/8"	9	0.775	1.060	0.845	14	REB20356
DBMTG315AZT	HAC 5016	5/8"	1 1/8"	9	0.775	1.060	0.845	16	REB20406
DBMTG380BZT	HAC 5023	5/8"	1 1/8"	19	1.525	1.060	0.845	21	REB20456
DBMTG475BZT	HAC 5024	7/8"	1 3/8"	19	1.525	1.060	0.845	26	REB20506
DBMTG565BZT	HAC 5025	7/8"	1 5/8"	19	1.525	1.060	0.845	29	REB20556
DBMTG665CZT	HAC 5033	7/8"	1 5/8"	29	2.275	1.060	0.845	34	REB20606
DBMTG770CZT	HAC 5034	7/8"	1 5/8"	29	2.275	1.060	0.845	39	REB20656
DBMTG850CZT	HAC 5035	1 1/8"	2 1/8"	29	2.275	1.060	0.845	44	REB20706
DBMTG995BZT	HAC 6323	1 1/8"	2 1/8"	60	2.325	1.380	1.29	56	REB20756
DBMTG1155BZT	HAC 6323	1 1/8"	2 1/8"	60	2.325	1.380	1.29	68	REB20806
DBMTG1340FZT	HAC 5063	1 3/8"	2 1/8"	58	2.325	1.380	1.6	94	REB20856
DBMTG1540FZT	HAC 5064	1 3/8"	2 1/8"	58	2.325	1.380	1.6	83	REB20906
DBMTG1750FZT	HAC 5066	1 3/8"	2 1/8"	58	2.325	1.380	1.6	115.48	REB20956

ENGINEERING NOTES:

*DynaBase units are to be installed and operated outside, in a well ventilated area, with suggested minimum wall clearance.

**Anti-vibration pads are to be used under the feet of the unit.

***Contact the Metraclark Engineering department for alternative DynaBase configurations.

HIGH AMB LOW TEMP

COOLING CAPACITY [kW]

R404A/R507

Model Reference	Ambient Temperature [°C]	Suction Temperature [°C]					
		-40	-35	-30	-25	-20	-15
DBHLG060AZT	34	0.35	0.53	0.77	1.06	1.44	1.89
	36	0.33	0.50	0.72	1.00	1.36	1.79
	38	0.30	0.46	0.67	0.94	1.28	1.69
	40	0.28	0.43	0.62	0.88	1.20	1.60
DBHLG075AZT	34	0.53	0.77	1.07	1.45	1.92	2.48
	36	0.49	0.72	1.01	1.37	1.82	2.36
	38	0.46	0.68	0.95	1.30	1.72	2.24
	40	0.43	0.63	0.89	1.22	1.63	2.13
DBHLG110AZT	34		1.12	1.54	2.07	2.71	3.49
	36		1.05	1.45	1.96	2.57	3.32
	38		0.98	1.37	1.85	2.44	3.15
	40		0.92	1.28	1.73	2.30	2.98
DBHLG125AZT	34	0.77	1.17	1.70	2.38	3.21	4.21
	36	0.73	1.09	1.59	2.24	3.04	4.00
	38	0.68	1.02	1.49	2.10	2.87	3.79
	40	0.64	0.94	1.38	1.96	2.69	3.58
DBHLG160AZT	34	0.94	1.40	2.05	2.88	3.92	5.16
	36	0.88	1.31	1.92	2.71	3.70	4.90
	38	0.83	1.22	1.79	2.54	3.49	4.64
	40	0.78	1.14	1.66	2.37	3.27	4.38
DBHLG215AZT	34	1.20	1.86	2.71	3.79	5.14	6.79
	36	1.11	1.73	2.53	3.56	4.84	6.41
	38	1.03	1.60	2.35	3.32	4.53	6.04
	40	0.95	1.47	2.17	3.08	4.23	5.67
DBHLG255AZT	34	1.49	2.22	3.22	4.51	6.12	8.10
	36	1.38	2.06	3.00	4.23	5.77	7.67
	38	1.28	1.91	2.79	3.95	5.42	7.24
	40	1.19	1.77	2.59	3.68	5.08	6.81
DBHLG315AZT	34	1.96	3.00	4.30	5.91	7.87	10.22
	36	1.80	2.79	4.03	5.57	7.44	9.70
	38	1.63	2.58	3.76	5.22	7.02	9.18
	40	1.47	2.37	3.49	4.88	6.59	8.67
DBHLG380BZT	34	2.75	4.04	5.63	7.58	9.93	12.74
	36	2.54	3.77	5.30	7.16	9.42	12.13
	38	2.33	3.51	4.97	6.75	8.92	11.51
	40	2.11	3.25	4.64	6.34	8.41	10.90
DBHLG475BZT	34	3.53	5.24	7.29	9.77	12.77	16.39
	36	3.26	4.90	6.86	9.24	12.13	15.61
	38	3.00	4.56	6.43	8.71	11.48	14.82
	40	2.75	4.23	6.01	8.18	10.83	14.04
DBHLG565BZT	34	4.45	6.51	8.97	11.94	15.52	19.82
	36	4.13	6.10	8.46	11.31	14.75	18.90
	38	3.81	5.70	7.95	10.68	13.99	17.98
	40	3.50	5.30	7.44	10.05	13.22	17.05
DBHLG665BZT	34	4.84	7.20	10.04	13.48	17.65	22.66
	36	4.46	6.72	9.44	12.74	16.74	21.57
	38	4.10	6.25	8.84	11.99	15.83	20.48
	40	3.74	5.79	8.25	11.25	14.92	19.38
DBHLG770CZT	34	5.93	8.70	12.00	15.98	20.78	26.55
	36	5.50	8.15	11.31	15.13	19.74	25.30
	38	5.07	7.60	10.62	14.27	18.70	24.04
	40	4.65	7.06	9.94	13.42	17.66	22.79
DBHLG850CZT	34	6.66	9.75	13.43	17.85	23.18	29.58
	36	6.18	9.14	12.67	16.91	22.04	28.20
	38	5.70	8.54	11.91	15.97	20.89	26.82
	40	5.23	7.93	11.15	15.03	19.74	25.43
DBHLG995CZT	34	6.89	10.47	14.86	20.21	26.67	34.39
	36	6.32	9.74	13.94	19.07	25.28	32.71
	38	5.76	9.02	13.03	17.93	23.89	31.04
	40	5.22	8.31	12.12	16.80	22.50	29.37
DBHLG1155BZT	34	8.92	13.06	18.01	23.97	31.18	39.84
	36	8.26	12.23	16.97	22.69	29.62	37.97
	38	7.62	11.41	15.93	21.41	28.05	36.08
	40	6.98	10.59	14.90	20.13	26.49	34.20
DBHLG1340FZT	34	9.84	14.67	20.58	27.80	36.53	46.98
	36	9.19	13.77	19.40	26.30	34.67	44.71
	38	8.55	12.89	18.24	24.80	32.80	42.44
	40	7.95	12.03	17.08	23.31	30.93	40.16
DBHLG1540FZT	34	11.89	17.46	24.27	32.55	42.53	54.47
	36	11.13	16.43	22.92	30.83	40.41	51.89
	38	10.40	15.42	21.58	29.12	38.28	49.29
	40	9.69	14.42	20.25	27.41	36.14	46.67
DBHLG1750FZT	34	13.67	19.99	27.71	37.10	48.43	61.95
	36	12.80	18.82	26.18	35.16	46.02	59.02
	38	11.97	17.67	24.66	33.22	43.60	56.08
	40	11.17	16.54	23.15	31.28	41.18	53.12

DESIGN CRITERIA: Subcooling: 0 [K] / Suction superheat: 10 [K]

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*Cooling capacities listed are estimated values.

**Cooling capacities subject to change without notice.

***Oil separator for 4HP compressors and up.

****Pipe sizing design criteria of 10m pipe runs.

TECHNICAL SPECIFICATION

MODEL REFERENCE	CONDENSER MODEL	STUB CONNECTIONS		RECEIVER VOLUME [L]	DIMENSIONS			FLA [A]	STOCK CODE
		Liquid	Suction		L [m]	W [m]	H [m]		
DBHLG060AZT	HAC 3513	3/8"	5/8"	4	0.525	0.900	0.59	4.25	REB30056
DBHLG075AZT	HAC 3513	3/8"	5/8"	4	0.525	0.900	0.59	4.95	REB30106
DBHLG110AZT	HAC 4013	3/8"	5/8"	7	0.625	1.060	0.695	6.54	REB30156
DBHLG125AZT	HAC 4014	5/8"	7/8"	7	0.625	1.060	0.695	6.64	REB30206
DBHLG160AZT	HAC 5012	5/8"	7/8"	9	0.775	1.060	0.845	9.01	REB30256
DBHLG215AZT	HAC 5013	5/8"	1 1/8"	9	0.775	1.060	0.845	11.91	REB30306
DBHLG255AZT	HAC 5013	5/8"	1 1/8"	9	0.775	1.060	0.845	13.61	REB30356
DBHLG315AZT	HAC 5015	5/8"	1 1/8"	9	0.775	1.060	0.845	16.11	REB30406
DBHLG380BZT	HAC 5023	5/8"	1 1/8"	19	1.525	1.060	0.845	20.82	REB30456
DBHLG475BZT	HAC 5023	7/8"	1 3/8"	19	1.525	1.060	0.845	25.82	REB30506
DBHLG565BZT	HAC 5024	7/8"	1 5/8"	19	1.525	1.060	0.845	28.82	REB30556
DBHLG665BZT	HAC 5026	7/8"	1 5/8"	19	1.525	1.060	0.845	32.82	REB30606
DBHLG770CZT	HAC 5034	7/8"	1 5/8"	29	2.275	1.060	0.845	39.23	REB30656
DBHLG850CZT	HAC 5034	1 1/8"	2 1/8"	29	2.275	1.060	0.845	43.63	REB30706
DBHLG995CZT	HAC 5036	1 1/8"	2 1/8"	29	2.275	1.060	0.845	50.63	REB30756
DBHLG1155BZT	HAC 6323	1 1/8"	2 1/8"	60	2.325	1.380	1.29	67.86	REB30806
DBHLG1340FZT	HAC 5063	1 3/8"	2 1/8"	58	2.325	1.380	1.6	93.98	REB30856
DBHLG1540FZT	HAC 5064	1 3/8"	2 1/8"	58	2.325	1.380	1.6	83.46	REB30906
DBHLG1750FZT	HAC 5065	1 3/8"	2 1/8"	58	2.325	1.380	1.6	86.8	REB30956

ENGINEERING NOTES:

*DynaBase units are to be installed and operated outside, in a well ventilated area, with suggested minimum wall clearance.

**Anti-vibration pads are to be used under the feet of the unit.

***Contact the Metraclark Engineering department for alternative DynaBase configurations.

LOW TEMPERATURE

COOLING CAPACITY [kW]

R404A/R507

Model Reference	Ambient Temperature [°C]	Suction Temperature [°C]					
		-40	-35	-30	-25	-20	-15
DBLTG060AZT	30	0.38	0.57	0.82	1.13	1.52	1.99
	32	0.35	0.53	0.77	1.06	1.44	1.89
	34	0.33	0.50	0.72	1.00	1.36	1.79
	36	0.30	0.46	0.67	0.94	1.28	1.69
DBLTG075AZT	30	0.56	0.81	1.13	1.53	2.02	2.60
	32	0.53	0.77	1.07	1.45	1.92	2.48
	34	0.49	0.72	1.01	1.37	1.82	2.36
	36	0.46	0.68	0.95	1.30	1.72	2.24
DBLTG110AZT	30		1.19	1.63	2.18	2.85	3.66
	32		1.12	1.54	2.07	2.71	3.49
	34		1.05	1.45	1.96	2.57	3.32
	36		0.98	1.37	1.85	2.44	3.15
DBLTG125AZT	30	0.82	1.24	1.80	2.52	3.38	4.41
	32	0.77	1.17	1.70	2.38	3.21	4.21
	34	0.73	1.09	1.59	2.24	3.04	4.00
	36	0.68	1.02	1.49	2.10	2.87	3.79
DBLTG160AZT	30	1.00	1.50	2.18	3.05	4.13	5.42
	32	0.94	1.40	2.05	2.88	3.92	5.16
	34	0.88	1.31	1.92	2.71	3.70	4.90
	36	0.83	1.22	1.79	2.54	3.49	4.64
DBLTG215AZT	30	1.28	1.99	2.90	4.03	5.44	7.16
	32	1.20	1.86	2.71	3.79	5.14	6.79
	34	1.11	1.73	2.53	3.56	4.84	6.41
	36	1.03	1.60	2.35	3.32	4.53	6.04
DBLTG255AZT	30	1.60	2.38	3.43	4.79	6.48	8.53
	32	1.49	2.22	3.22	4.51	6.12	8.10
	34	1.38	2.06	3.00	4.23	5.77	7.67
	36	1.28	1.91	2.79	3.95	5.42	7.24
DBLTG315AZT	30	2.12	3.22	4.58	6.25	8.29	10.73
	32	1.96	3.00	4.30	5.91	7.87	10.22
	34	1.80	2.79	4.03	5.57	7.44	9.70
	36	1.63	2.58	3.76	5.22	7.02	9.18
DBLTG380AZT	30	2.97	4.31	5.96	7.99	10.44	13.35
	32	2.75	4.04	5.63	7.58	9.93	12.74
	34	2.54	3.77	5.30	7.16	9.42	12.13
	36	2.33	3.51	4.97	6.75	8.92	11.51
DBLTG475BZT	30	3.80	5.58	7.72	10.30	13.42	17.16
	32	3.53	5.24	7.29	9.77	12.77	16.39
	34	3.26	4.90	6.86	9.24	12.13	15.61
	36	3.00	4.56	6.43	8.71	11.48	14.82
DBLTG565BZT	30	4.77	6.92	9.48	12.57	16.29	20.74
	32	4.45	6.51	8.97	11.94	15.52	19.82
	34	4.13	6.10	8.46	11.31	14.75	18.90
	36	3.81	5.70	7.95	10.68	13.99	17.98
DBLTG665BZT	30	5.21	7.68	10.64	14.23	18.56	23.75
	32	4.84	7.20	10.04	13.48	17.65	22.66
	34	4.46	6.72	9.44	12.74	16.74	21.57
	36	4.10	6.25	8.84	11.99	15.83	20.48
DBLTG770BZT	30	6.38	9.26	12.70	16.84	21.83	27.80
	32	5.93	8.70	12.00	15.98	20.78	26.55
	34	5.50	8.15	11.31	15.13	19.74	25.30
	36	5.07	7.60	10.62	14.27	18.70	24.04
DBLTG850BZT	30	7.15	10.36	14.19	18.79	24.33	30.95
	32	6.66	9.75	13.43	17.85	23.18	29.58
	34	6.18	9.14	12.67	16.91	22.04	28.20
	36	5.70	8.54	11.91	15.97	20.89	26.82
DBLTG995CZT	30	7.47	11.20	15.78	21.35	28.06	36.06
	32	6.89	10.47	14.86	20.21	26.67	34.39
	34	6.32	9.74	13.94	19.07	25.28	32.71
	36	5.76	9.02	13.03	17.93	23.89	31.04
DBLTG1155CZT	30	9.58	13.89	19.05	25.26	32.74	41.72
	32	8.92	13.06	18.01	23.97	31.18	39.84
	34	8.26	12.23	16.97	22.69	29.62	37.97
	36	7.62	11.41	15.93	21.41	28.05	36.08
DBLTG1340BZT	30	10.53	15.58	21.77	29.30	38.38	49.22
	32	9.84	14.67	20.58	27.80	36.53	46.98
	34	9.19	13.77	19.40	26.30	34.67	44.71
	36	8.55	12.89	18.24	24.80	32.80	42.44
DBLTG1540FZT	30	12.68	18.51	25.63	34.26	44.65	57.03
	32	11.89	17.46	24.27	32.55	42.53	54.47
	34	11.13	16.43	22.92	30.83	40.41	51.89
	36	10.40	15.42	21.58	29.12	38.28	49.29
DBLTG1750FZT	30	14.56	21.18	29.26	39.05	50.83	64.86
	32	13.67	19.99	27.71	37.10	48.43	61.95
	34	12.80	18.82	26.18	35.16	46.02	59.02
	36	11.97	17.67	24.66	33.22	43.60	56.08

DESIGN CRITERIA: Subcooling: 0 [K] / Suction superheat: 10 [K]

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*Cooling capacities listed are estimated values.

**Cooling capacities subject to change without notice.

***Oil separator for 4HP compressors and up.

****Pipe sizing design criteria of 10m pipe runs.

TECHNICAL SPECIFICATION

MODEL REFERENCE	CONDENSER MODEL	STUB CONNECTIONS		RECEIVER VOLUME [L]	DIMENSIONS			FLA [A]	STOCK CODE
		Liquid	Suction		L [m]	W [m]	H [m]		
DBLTG060AZT	HAC 3014	3/8"	5/8"	4	0.900	0.570	0.34	4.52	REB40056
DBLTG075AZT	HAC 3513	3/8"	5/8"	4	0.525	0.900	0.59	4.95	REB40106
DBLTG110AZT	HAC 3514	3/8"	5/8"	4	0.525	0.900	0.59	6.45	REB40156
DBLTG125AZT	HAC 3515	5/8"	7/8"	4	0.525	0.900	0.59	6.55	REB40206
DBLTG160AZT	HAC 4014	5/8"	7/8"	7	0.625	1.060	0.695	8.04	REB40256
DBLTG215AZT	HAC 5012	5/8"	1 1/8"	9	0.775	1.060	0.845	11.91	REB40306
DBLTG255AZT	HAC 5013	5/8"	1 1/8"	9	0.775	1.060	0.845	13.61	REB40356
DBLTG315AZT	HAC 5013	5/8"	1 1/8"	9	0.775	1.060	0.845	16.11	REB40406
DBLTG380AZT	HAC 5015	5/8"	1 1/8"	9	0.775	1.060	0.845	19.41	REB40456
DBLTG475BZT	HAC 5023	7/8"	1 3/8"	19	1.525	1.060	0.845	25.82	REB40506
DBLTG565BZT	HAC 5023	7/8"	1 5/8"	19	1.525	1.060	0.845	28.82	REB40556
DBLTG665BZT	HAC 5024	7/8"	1 5/8"	19	1.525	1.060	0.845	32.82	REB40606
DBLTG770BZT	HAC 5025	7/8"	1 5/8"	19	1.525	1.060	0.845	37.82	REB40656
DBLTG850BZT	HAC 5026	1 1/8"	2 1/8"	19	1.525	1.060	0.845	42.22	REB40706
DBLTG995CZT	HAC 5034	1 1/8"	2 1/8"	29	2.275	1.060	0.845	50.63	REB40756
DBLTG1155CZT	HAC 5036	1 1/8"	2 1/8"	29	2.275	1.060	0.845	62.53	REB40806
DBLTG1340BZT	HAC 6323	1 3/8"	2 1/8"	60	2.325	1.380	1.29	74.86	REB40856
DBLTG1540FZT	HAC 5063	1 3/8"	2 1/8"	58	2.325	1.380	1.6	83.46	REB40906
DBLTG1750FZT	HAC 5063	1 3/8"	2 1/8"	58	2.325	1.380	1.6	115.48	REB40956

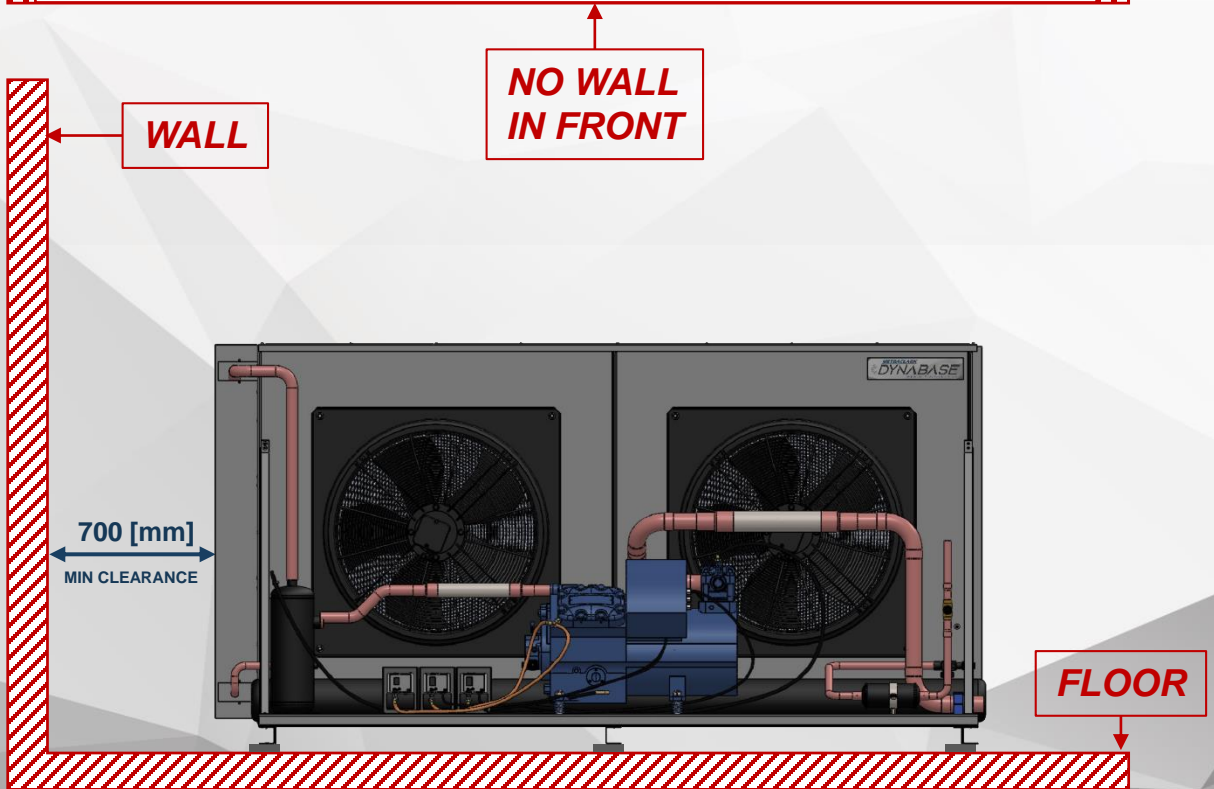
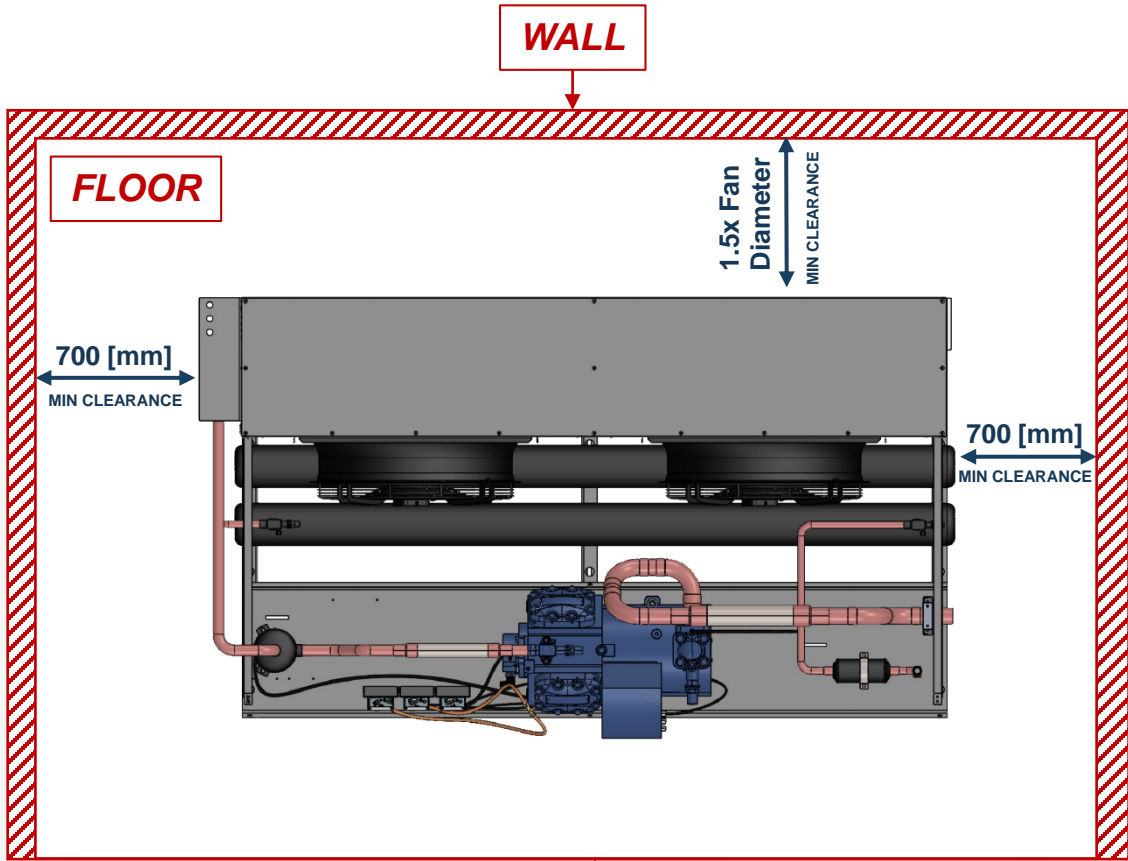
ENGINEERING NOTES:

*DynaBase units are to be installed and operated outside, in a well ventilated area, with suggested minimum wall clearance.

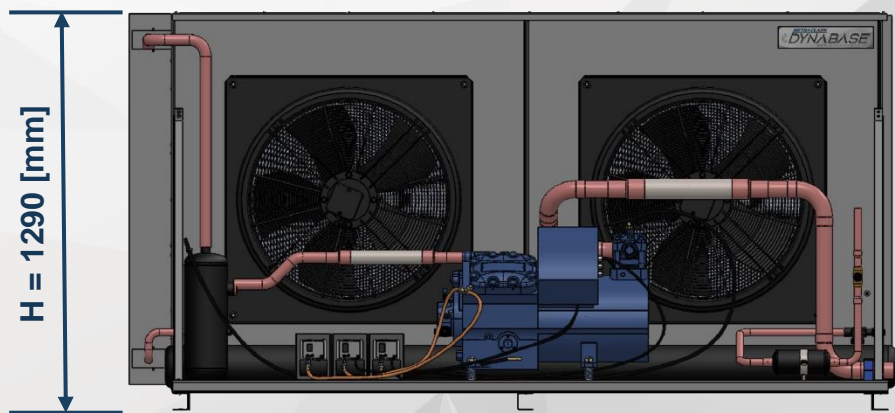
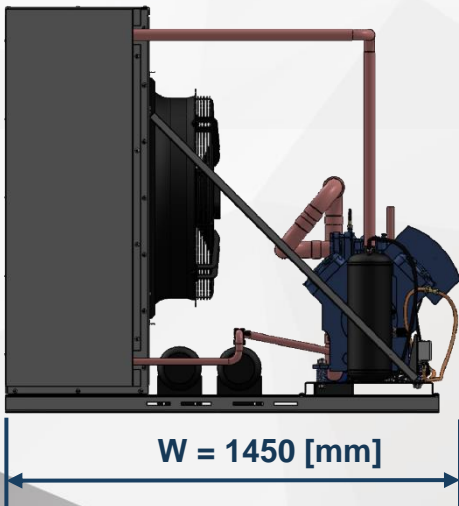
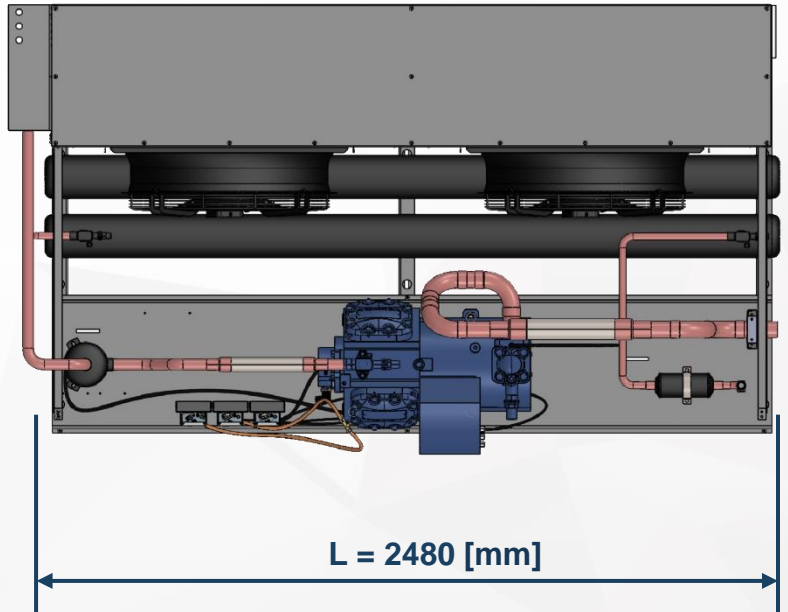
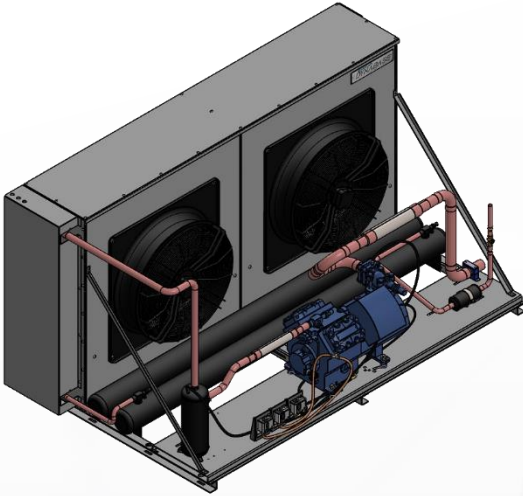
**Anti-vibration pads are to be used under the feet of the unit.

***Contact the Metraclark Engineering department for alternative DynaBase configurations.

INSTALLATION GUIDELINE DRAWINGS



DIMENSIONAL DRAWINGS



ENGINEERING NOTES:

*DynaBase unit illustrated is the DBMTG850BZT condensing unit and the dimensions are for the specified unit only, please refer to the technical specification pages with this catalogue for correct dimensions of the individual unit.



METRACLARK

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