

 **Hispania**

More than cold



HUB CONDENSING UNIT / UNIDAD CONDENSADORA HUB 50 Hz

General features:

The condensing unit HUB range is designed for commercial refrigeration at medium and low temperatures. Easy maintenance, finest components to guarantee final quality control. All condensing units are with CE, ROHS & P.E.D. regulation.

Accessories:

- Powder coated Zinc plate high corrosion strength
- Tropical condenser coil in copper tube and aluminium fins
- Semi-hermetic reciprocating compressor
- Dural pressure switch with automatic reset
- Filter drier on liquid line
- Sight glass with moisture indicator
- Liquid receiver
- Safety relief valve
- Suction accumulator
- Oil separator
- Built in electric control panel
- High pressure switch/ Fan speed controller based on condenser pressure
- Different voltage & gas.

Características generales:

Las unidades condensadoras HUB están diseñadas para la refrigeración comercial para alta, media y baja temperatura.

Bajo nivel sonoro, y un fácil mantenimiento e instalación.

Todos los componentes de control son de alta calidad y marcas reconocidas.

Todas las unidades condensadoras están con las directivas 97/23/EC sobre equipamiento de presión (P.E.D).

Accesorios:

- Paquete de aletas con tratamiento anti corrosión
- Condensador tropicalizado
- Compresor Semi-hermético de pistones
- Doble presostato con rearme automático
- Filtro deshidratador en línea de líquido
- Visor de líquido
- Recipiente de líquido
- Válvula de seguridad homologada
- Separador de líquido
- Separador de aceite
- Panel eléctrico de control
- Alta presostato con rearme automático/ Control de velocidad, según la condensación
- Diferente voltaje & gas.

HUB CONDENSING UNIT/ UNIDAD CONDENSADORA HUC

MODEL CLASSIFICATION / CLASIFICACIÓN DE MODELOS

HUB 4502Z04 LT

T:THREE PHASE/ T:TRIFÁSICO

M:MIDDLE AND HIGH TEMPERATURE, L: LOW TEMPERATURE/ M: MEDIA Y ALTA TEMPERATURA / L: BAJA Tº

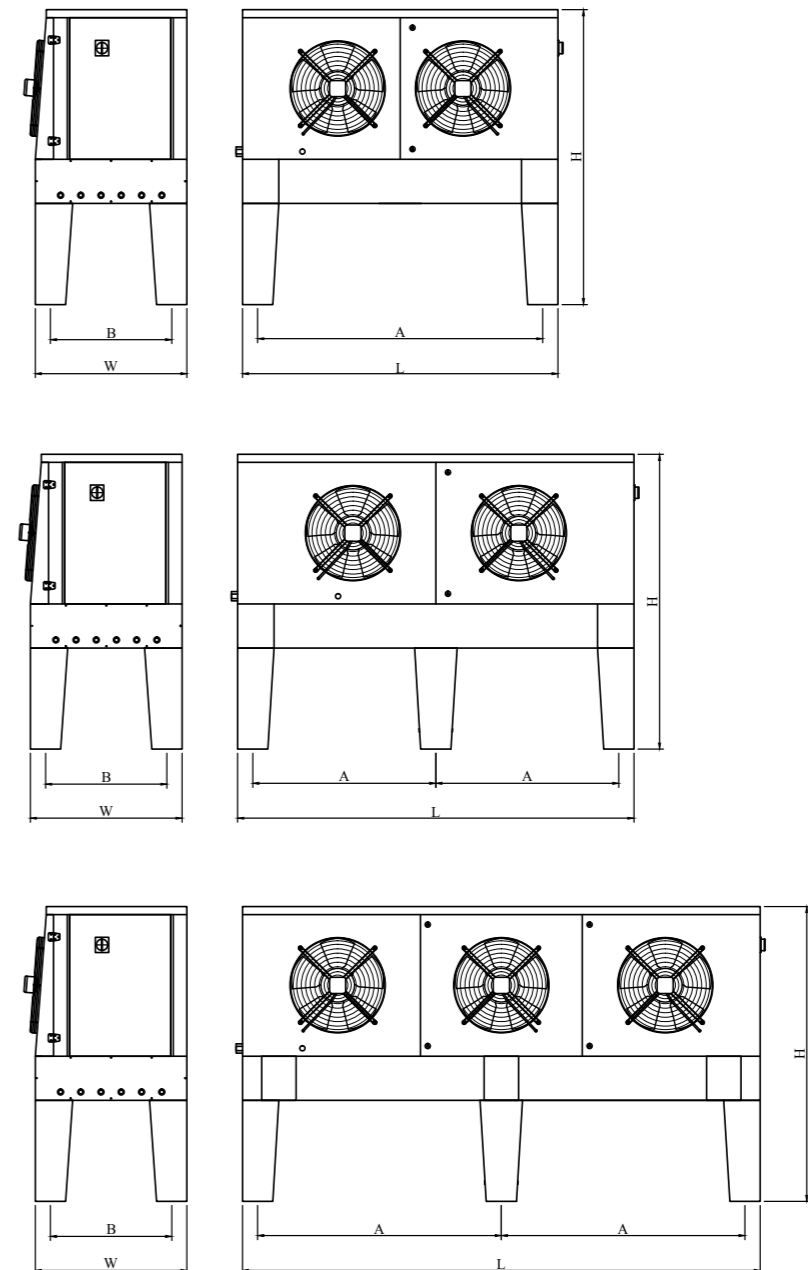
ROWS OF CONDENSER

R404A

FAN Ø (MM) Nº /VENTILADOR

SERIES/SERIE

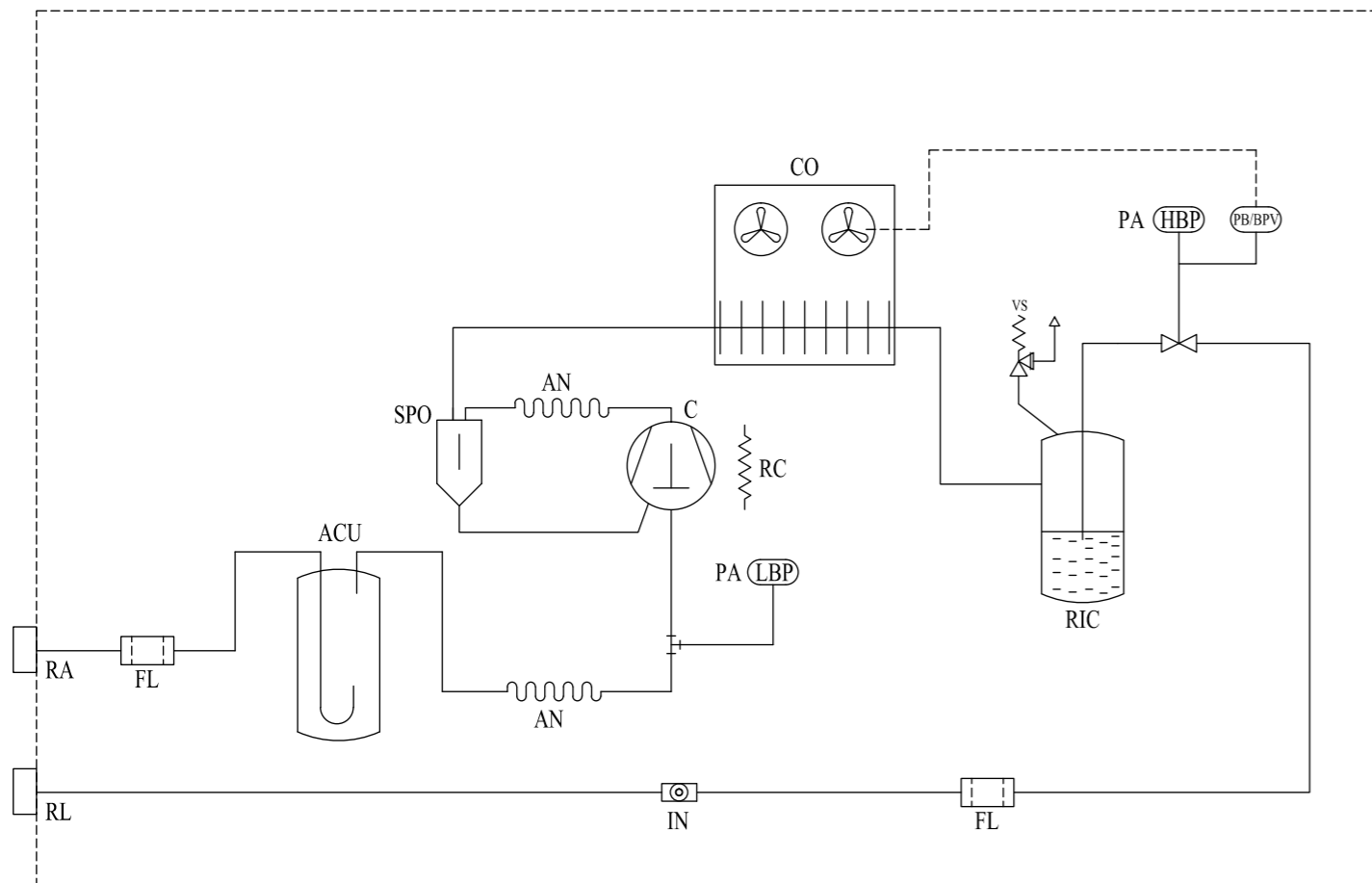
DIMENSIONS / SIMENSIONES



HUB CONDENSING UNIT/ UNIDAD CONDENSADORA HUB

Code	Condensing unit dimensions				
	L(mm)	W(mm)	A(mm)	B(mm)	H(mm)
HUB 4502...	1560	760	1415	605	1460
HUB 5002...	1835	955	1690	810	1585
HUB 6302...	2715	1005	1285	860	1695
HUB 6303...	3715	1005	1785	860	1695

SYSTEM DIAGRAM / DIAGRAMA DE SISTEMA



Accesorios:

- | | | | |
|-----|-----------------------|--------|--|
| C | - Compressor | PA | - Dual pressure switch |
| RC | - Crankcase heater | PB/BPV | - High pressure switch/ Fan speed controller |
| AN | - Vibration absorber | FL | - Filter drier |
| SPO | - Oil separator | IN | - Sight glass |
| CO | - Condenser | RL | - Liquid shut-off valve |
| RIC | - Liquid receiver | RA | - Suction shut-off valve |
| VS | - Safety relief valve | ACU | - Suction accumulator |

HUB CONDENSING UNIT/ UNIDAD CONDENSADORA HUB



Electric data/ Datos eléctricos

HMBP R404A Code	Compressor Model	Condenser Hp	Axial Fan Motor					Noise Dist=10m dBa	Pipe Fittings		N/W Kg	MOC A		
			Surface M ²	N°XØ	M ³ /h	Poles	220/1/50		Absorption W	A			D inch	S inch
HUB 4502Z03 MT	4FES-5Y	5	50	2x450	6400	6	220/1/50	334	1.54	50.6	5/8"	7/8"	246	13.5
HUB 5002Z03 MT	4DES-7Y	7.5	76	2x500	12800	4	380/3/50	1048	2.56	55.66	7/8"	1-1/8"	302	18.2
HUB 5002Z05 MT	4VES-10Y	10	127	2x500	11400	4	380/3/50	1048	2.56	54.3	7/8"	1-1/8"	343	21.6
HUB 6302Z04 MT	4PES-15Y	15	165	2x630	20200	4	380/3/50	2100	3.30	58.3	1-1/8"	1-5/8"	415	31.5
HUB 6302Z05 MT	4NES-20Y	20	206	2x630	19800	4	380/3/50	2100	3.30	60.3	1-1/8"	1-5/8"	538	36.5
HUB 6303Z04 MT	4HE-25Y	25	231	3x630	30300	4	380/3/50	3150	4.95	60	1-1/8"	2-1/8"	595	48.95
HUB 6303Z05 MT	4GE-30Y	30	289	3x630	30000	4	380/3/50	3150	4.95	63	1-1/8"	2-1/8"	616	56.15
HUB 6303Z06 MT	6HE-35Y	35	346	3x630	29100	4	380/3/50	3150	4.95	63.8	1-1/8"	2-1/8"	664	69.35

Refrigeration capacity/ Capacidad de refrigeración

HMBP R404A Code	Compressor Model	Hp	Performance (w)					
			Evaporating Temperature (°C)					
			5°C	0°C	-5°C	-10°C	-15°C	-20°C
HUB 4502Z03 MT	4FES-5Y	5	17540	14600	12057	9865	7984	6380
HUB 5002Z03 MT	4DES-7Y	7.5	26687	22206	18331	14990	12123	9676
HUB 5002Z05 MT	4VES-10Y	10	34330	28318	23135	16683	14878	11647
HUB 6302Z04 MT	4PES-15Y	15	47607	39182	31930	25709	20403	15908
HUB 6302Z05 MT	4NES-20Y	20	56459	46671	38239	30999	24815	19568
HUB 6303Z04 MT	4HE-25Y	25	73148	61005	50454	41305	33400	26606
HUB 6303Z05 MT	4GE-30Y	30	83706	69883	57874	47463	38471	30742
HUB 6303Z06 MT	6HE-35Y	35	107378	89591	74128	60713	49118	39143

Test condition: Ambient temperature: 32°C, Condensing temperature: 45°C, Subcooling: 6K / Condiciones de prueba: temperatura ambiente: 32°C, temperatura de condensación: 45°C, Subenfriamiento: 6K

The noise levels refer to the average value recored during 24h of daily functioning with fan motors controlled speed, standard housing sound absorption.

Los niveles de ruido se refieren al valor promedio registrado durante 24 horas de funcionamiento con ventiladores, velocidad controlada, absorción de sonido con gabinete estándar.

HUB CONDENSING UNIT/ UNIDAD CONDENSADORA HUB

NOTES/ NOTAS



Electric data/ Datos eléctricos

LBP R404A Code	Compressor		Condenser Surface M ²	Axial Fan Motor					Noise Dist=10m dBa	Pipe Fittings		N.W Kg	MOC A
	Model	Hp		N°XØ	M ³ /h	Poles	220/1/50	Absorption W A		D inch	S inch		
HUB 4502Z02 LT	4DES-5Y	5	33	2x450	10000	6	220/1/50	334 1.54	55.66	7/8"	1-1/8"	235	17.2
HUB 4502Z03 LT	4TES-9Y	7.5	50	2x450	9550	4	220/1/50	334 1.54	56.3	7/8"	1-3/8"	294	22.6
HUB 4502Z04 LT	4PES-12Y	10	66	2x450	9200	4	220/1/50	334 1.54	58.3	1-1/8"	1-3/8"	245	25.4
HUB 5002Z04 LT	4HE-18Y	15	102	2x500	14000	4	380/3/50	1048 2.56	60.0	1-1/8"	1-5/8"	300	38.4
HUB 5002Z06 LT	4GE-23Y	20	152	2x500	13600	4	380/3/50	1048 2.56	63.0	1-1/8"	2-1/8"	420	45.6
HUB 6302Z04 LT	6HE-28Y	25	165	2x630	21800	4	380/3/50	2100 3.30	63.8	1-1/8"	2-1/8"	465	56.5
HUB 6302Z05 LT	6GE-34Y	30	206	2x630	21000	4	380/3/50	2100 3.30	65.3	1-1/8"	2-1/8"	560	68.8
HUB 6303Z04 LT	6FE-44Y	40	231	3x630	28500	4	380/3/50	3150 4.95	64.8	1-1/8"	2-1/8"	695	88.15

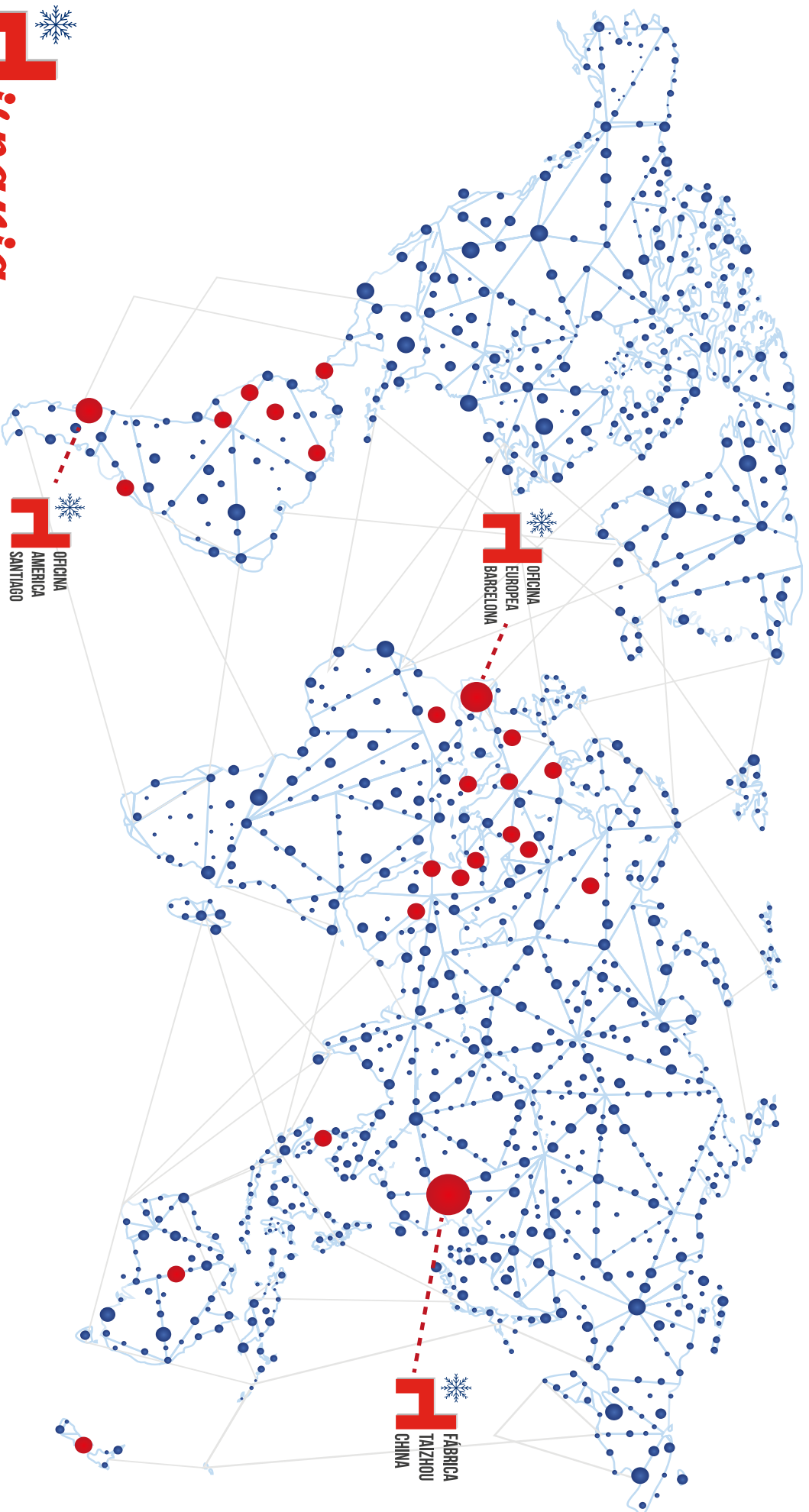
Refrigeration capacity/ Capacidad de refrigeración

LBP R404A Code	Compressor		Performance (w)					
	Model	Hp	Evaporating Temperature (°C)					
			-10°C	-15°C	-20°C	-25°C	-30°C	-35°C
HUB 4502Z02 LT	4DES-5Y	5	14990	12122	9675	7603	5863	4417
HUB 4502Z03 LT	4TES-9Y	7.5	22764	18231	14374	11118	8395	6144
HUB 4502Z04 LT	4PES-12Y	10	25856	20543	16037	12246	9091	6495
HUB 5002Z04 LT	4HE-18Y	15	42082	34159	27344	21516	16569	12404
HUB 5002Z06 LT	4GE-23Y	20	48789	39766	32004	25367	19733	14989
HUB 6302Z04 LT	6HE-28Y	25	61877	50252	40247	31686	24411	18280
HUB 6302Z05 LT	6GE-34Y	30	72274	59231	47966	38286	30017	23002
HUB 6303Z04 LT	6FE-44Y	40	86661	70923	57294	45540	35451	26839

Test condition: Ambient temperature: 32°C, Condensing temperature: 45°C, Subcooling: 6K / Condiciones de prueba: temperatura ambiente: 32°C, temperatura de condensación: 45°C, Subenfriamiento: 6K

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