

REFRIGERATION PACKS - STANDARD MODELS

HT packs - Copeland ZB45 scroll compressors -5°C to -15°C

CODE	MODEL	COMPRESSOR NO.	DUTY (Kw)
PACK010	HT3	3	29.1
PACK025	HT4	4	38.8
PACK040	HT5	5	48.5
PACK055	HT6	6	58.2
PACK070	HT7	7	67.9
PACK085	HT8	8	77.6

Duty is shown at -10°C SST, 42°C condensing with 5K subcooling and 5K useful superheat, R404A

LT packs- Copeland ZF18 scroll compressors -25°C to -40°C

CODE	MODEL	COMPRESSOR NO.	DUTY (Kw)
PACK100	LT3	3	10.8
PACK115	LT4	4	14.4
PACK130	LT5	5	18.0
PACK145	LT6	6	21.6
PACK160	LT7	7	25.2
PACK175	LT8	8	28.8

Duty is shown at -35°C SST, 42°C condensing with 5K subcooling and 5K useful superheat, R404A

Specification includes: Powder coated main frame, main suction header inc filter shell assembly, inlet ball valve. Main discharge header with high capacity coalescing separator, pre-charged with oil, Return line manifold with oil filter feeding individual compressor Traxoil regulating modules. Each compressor would be provided with pre-set HP & LP safety switches connected via service ports Control panel, split into mains and low voltage sections, High voltage section is behind the left had panel door and is protected by mains isolator. Low voltage control circuits include the controller fitted to the right hand dood panel. Primary control is via a Carel pCO1 with secondary/ backup via a Siemens Logo PLC switches. A 32 amp 3ph supply is provided for a remote condenser, along with a 0-10v output to control EC fans.

HT packs - Bitzer 4NCS 12.2Y compressors -5°C to -15°C

CODE	MODEL	COMPRESSOR NO.	DUTY (Kw)
PACK225	HT4	4	107.6
PACK240	HT5	5	134.5
PACK255	HT6	6	161.4

LT packs - Bitzer 4NCS 12.2Y compressors -25°C to -40°C - R404A

CODE	MODEL	COMPRESSOR NO.	DUTY (Kw)
PACK340	LT4	4	28.8
PACK350	LT5	5	36.0
PACK360	LT6	6	43.1

Duty is shown at -35°C SST, 42°C condensing with 5K subcooling and 5K useful superheat, R404A

Specification includes: Powder coated main frame, main suction header inc filter shell assembly, inlet ball valve. Main discharge header with high capacity coalescing separator, pre-charged with oil, Return line manifold with oil filter feeding individual compressor Traxoil regulating modules. Each compressor would be provided with pre-set HP & LP safety switches connected via service ports Control panel, split into mains and low voltage sections, High voltage section is behind the left had panel door and is protected by mains isolator. Low voltage control circuits include the controller fitted to the right hand dood panel. Primary control is via a Carel PCO with secondary/ backup via LP switches. A 32 amp 3ph supply is provided for a remote condenser, along with a 0-10v output to control EC fans.



Copeland scroll pack



Bitzer semi-hermetic pack

REFRIGERATION PACKS - STANDARD OPTIONS

HT/LT packs - Copeland ZB45/ZF18 scroll compressors

CODE	DESCRIPTION
PACK185	Standard acoustic housing 4 comps 29db(A)
PACK187	Standard acoustic housing 6 comps 33db(A)
PACK191	High performance acoustic kit 1-4 comps 23 db(A)
PACK193	High performance acoustic kit 2-6 comps 27 db(A)
PACK197	RS458 card for Modbus/Carel network
PACK199	TCP/IP Ethernet card for IT network

Noise levels are quoted using ZB45 compressors at HT design conditions with a 10m distance (free field conditions)

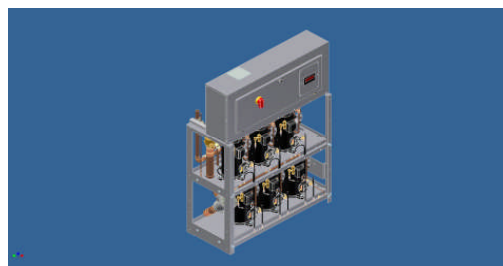
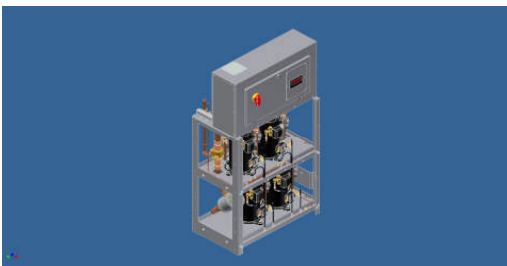
HT/LT packs - Bitzer 4NCS 12.2Y semi-hermetic compressors

CODE	DESCRIPTION
PACK380	Standard acoustic housing up to 6 comps 48 dB(A)
PACK197	RS458 card for Modbus/Carel network
PACK199	TCP/IP Ethernet card for IT network

Noise levels are quoted using 6 compressors at LT design conditions with a 10m distance (free field conditions), lower noise levels are available on packs with fewer compressors

Optional liquid receivers

CODE	DESCRIPTION
LRCR900	30ltr, c/w rotalock valves, dual PRV and liquid level alarm (Supplied loose)
LRCR905	40ltr, c/w rotalock valves, dual PRV and liquid level alarm (Supplied loose)
LRCR910	54ltr, c/w rotalock valves, dual PRV and liquid level alarm (Supplied loose)
LRCR915	80ltr, c/w rotalock valves, dual PRV and liquid level alarm (Supplied loose)
LRCR920	30ltr, as above plus replaceable core liquid line drier, sight glass and valved bypass
LRCR925	40ltr, as above plus replaceable core liquid line drier, sight glass and valved bypass
LRCR930	54ltr, as above plus replaceable core liquid line drier, sight glass and valved bypass
LRCR935	80ltr, as above plus replaceable core liquid line drier, sight glass and valved bypass



REFRIGERATION & AIR CONDITIONING

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