

FRIGA-BOHN®

DUO MR

Scroll compressor
receiver rack

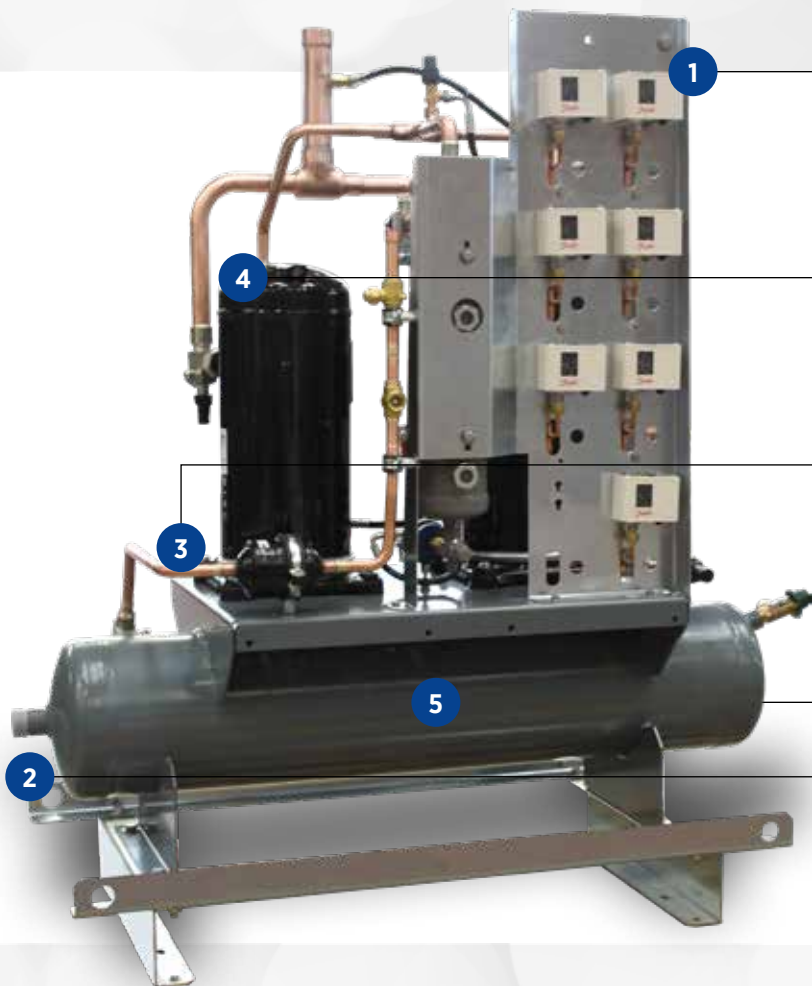
HFC



MT 8 - 55 kW



- # Ready-to-install unit (factory pre-assembled components and complete electrical supply) for **quick installation**.
- # **Compact** and **silent** for perfect integration into its environment.



ELECTRICAL BOX OPTION (ARM)

- # Icc 15 kA.
 - # General disconnect switch.
 - # Electronic regulation by PLC EC2-552.
 - # Pressure control in back-up mode with anti-run cycle timer.
 - # Switchover to back-up mode:
- Automatic by LPE/HPE support pressure switches.
 - Manual by switch on cabinet door.
 - # 5 Cooling station outputs 2x10A
 - # 1 or 2 condenser fan outlets:

Type	Model	Operation	LP control	HP control
AC	Three-phase: NEOSTAR SU 16Y L02 B2 CCT 2x12T B2	Normal	EC2-552	Pressostatic
		Back-up	Pressostatic	-
	Single-phase: CCT 2x10M B5	Normal	EC2-552	Pressostatic or voltage variation
		Back-up	Pressostatic	-
EC	CCV 1	Normal	EC2-552	EC2-552 (+ 1 CDP)
		Back-up	Pressostatic	IR33

OPTIONS

ARM

DPS

Complete electrical box.
3 additional cooling station outputs 2x10A.

KIT TO INSTALL

1 CONTROL DEVICES

- # 1 LP general safety pressure switch.
- # 1 LP regulator pressure switch per compressor.
- # 1 HP cartridge pressure switch with automatic reset per compressor.
- # 2 HP regulator pressure switches.
- # 1 LPE and HPE support pressure switch (switchover to back-up mode).
- # 1 LP sensor.

OPTIONS

CDP

HP pressure sensors 4-20 mA signal

(EC condenser - CCV 1). **KIT TO INSTALL**

RPC

Condensing pressure control by voltage variation

(condenser CCT 2x10M B5). **KIT TO INSTALL**

2 MANIFOLDS

- # Copper suction and delivery.

3 OIL LINE

- # HP oil separator with integrated oil reserve with high and low indicator.
- # HP oil return line with filter.
- # Electronic oil level controller.

4 COMPRESSORS

- # 2 Scroll technology compressors, one of which has DIGITAL™ power variation.
- # Equipped with suction and delivery shut-off valves, crankcase heater and rigid suspension elements.
- # Rack pre-wired in the factory with 3 m of cable available.

OPTIONS

COQ

Noise insulation casings. **KIT TO INSTALL**

5 LIQUID RECEIVER

- # Horizontal receiver with a capacity of 40 L.
- # 2 inlet/outlet shut-off valves.
- # Liquid outlet equipped with a filter dryer, an indicator and a liquid outlet valve.
- # Simple safety valve.

PRODUCT ADVANTAGES

- # Integrated pressostatic back-up operation.
- # Supports for easy handling of the unit.

DUO MR^(A) 30^(B)

(A) Compressor unit on bottle
(B) Compressor model

The DUO MR is available with HFCs.
For more information, please
consult our software.

DUO MR

Positive range

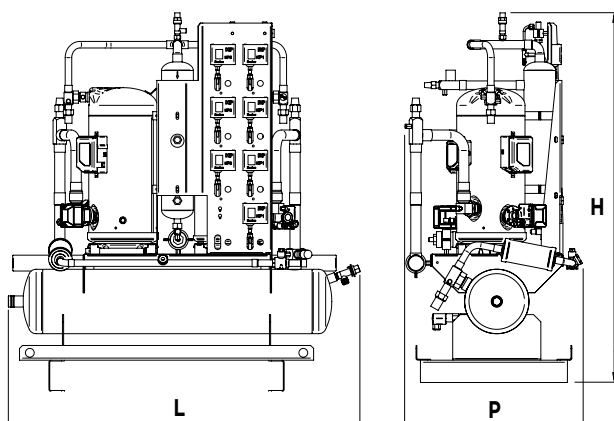
DUO MR ...			30	45	57	76	114
Compressor type			ZB30+ZBD30	ZB45+ZBD45	ZB57+ZBD57	ZB76+ZBD76	ZB114+ZBD114
Power (1)	R407F	kW	14,2	20,8	27,0	38,2	54,7
	R407A	kW	13,9	19,8	27,0	35,6	50,0
	R448A	kW	14,1	20,7	26,7	36,6	52,9
	R449A	kW	14,1	20,6	26,7	36,6	52,8
	R134a	kW	8,6	12,5	15,7	21,3	31,6
	R404A	kW	14,3	20,9	27,2	37,6	53,9
Power consumption*	R407F	kW	6,0	8,7	11,0	15,2	22,8
	R407A	kW	5,8	8,2	11,0	14,5	21,7
	R448A	kW	5,7	8,0	9,9	14,2	22,2
	R449A	kW	5,7	8,0	9,9	14,2	22,2
	R134a	kW	3,7	5,2	7,2	9,6	13,9
	R404A	kW	6,1	8,8	11,1	15,8	23,6
Compressor			Nb				
Input current*			R404A	A max.			
Receiver volume				l.			
Noise level			Lp 10m (2)	dB(A)			
Connections	Suction	Ø	1"5/8	1"5/8	1"5/8	2"1/8	2"1/8
	Delivery	Ø	7/8"	7/8"	7/8"	1"1/8	1"1/8
	Liquid inlet	Ø	7/8"	7/8"	7/8"	7/8"	1"1/8
	Liquid outlet	Ø	5/8"	5/8"	5/8"	1"1/8	1"1/8
Weight			kg				

(1) Evaporating temperature -10 °C / Ambient temperature +42 °C - Superheat: 10K - Subcool: 3K.

(2) Sound pressure level at 10 m given as an indication only.

R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).

DUO MR | Dimensions



DUO MR ...		30	45	57	76	114
L	mm	1200	1200	1200	1200	1260
P	mm	530	530	610	600	600
H	mm	1330	1330	1330	1286	1296