

ENGINEERING
TOMORROW



Catalog

Danfoss Scroll Manifolding Portfolio

R410A



With current and future chiller and rooftop regulations putting greater emphasis on part-load efficiency, capacity modulation has come to the forefront of the HVAC industry. Manifolding compressors together can be used to achieve optimal IPLV and IEER levels and, with the introduction of Danfoss Inverter Scrolls in tandem with fixed-speed compressors, the boundaries of energy efficiency equipment will be pushed even further.

Danfoss has more than ten years of R-410A scroll manifolding experience and over four billion operating hours in air conditioning applications, so you can be confident that Danfoss scroll compressors will provide a lifetime of savings. The Danfoss manifolding portfolio includes even and uneven fixed-speed tandems and even fixed-speed trios. Every manifolding combination listed here has been qualified for proper oil management and vibration by Danfoss engineering. Select models are available preassembled by request—use order codes listed below.

Tandem (10-100T)

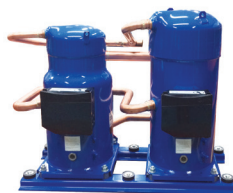
Trio (35-150T)

Fixed Speed

TLJ
(10-15T)



PSH (15-30T)



DCJ
(15-20T)



Tandem DSH (15-100T)



IDV



Trio DSH (35-150T)

Variable + Fixed Speed

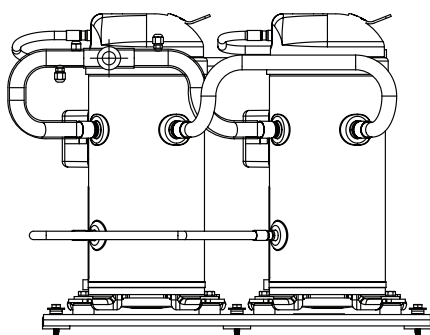
Tandem Hybrid (21-51T)



IDV



Fixed Speed H-Series Tandems: R410A



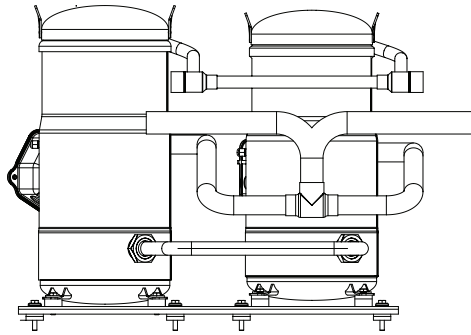
TLJ Tandem

Manifolding Model	Refrigerant	Manifolding Type	Cmpr. 1	Cmpr. 2	Cmpr. 3	Capacity Tons	Drawing Number	230/3/60	460/3/60	575/3/60
TLJ122	R410A	Even Tandem	HLH061	HLH061	NA	10	8556080	121G0357	121G0358	121G0359
TLJ136	R410A	Even Tandem	HLH068	HLH068	NA	11	8556080	121G0360	121G0361	121G0362
TLJ144	R410A	Even Tandem	HLJ072	HLJ072	NA	12	8556080	121G0363	121G0364	121G0365
TLJ166	R410A	Even Tandem	HLJ083	HLJ083	NA	14	8556080	121G0366	121G0367	121G0368

DCJ Tandem

Manifolding Model	Refrigerant	Manifolding Type	Cmpr. 1	Cmpr. 2	Cmpr. 3	Capacity Tons	Drawing Number	230/3/60	460/3/60	575/3/60
DCJ183	R410A	Even Tandem	DCJ091	DCJ091	NA	15	8590023	121G0591	121G0592	121G0593
DCJ213	R410A	Even Tandem	DCJ106	DCJ106	NA	17.5	8590023	121G0594	121G0595	121G0596
DCJ243	R410A	Even Tandem	DCJ121	DCJ121	NA	20	8590023	121G0597	121G0598	121G0599

Fixed Speed DSH-Series Tandems: R410A



DSH Tandem

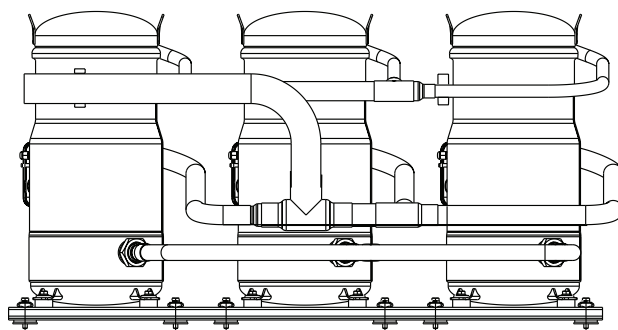
Manifolding Model	Refrigerant	Manifolding Type	Cmpr. 1	Cmpr. 2	Cmpr. 3	Capacity Tons	Drawing Number	230/3/60	460/3/60	575/3/60
DSH180	R410A	Even Tandem	DSH90	DSH90	NA	15	8556280	121G0579	121G0580	121G0581
DSH240	R410A	Even Tandem	DSH120	DSH120	NA	20	8590015	121G0582	121G0583	121G0584
DSH280	R410A	Even Tandem	DSH140	DSH140	NA	23.5	8590015	121G0588	121G0589	121G0590
DSH322	R410A	Even Tandem	DSH161	DSH161	NA	25	8590015	121G0585	121G0586	121G0587
DSH368	R410A	Even Tandem	DSH184	DSH184	NA	30.5	8590016	121G0558	121G0559	121G0560
DSH482 (24V)	R410A	Even Tandem	DSH240	DSH240	NA	40	8556282	121G0543	121G0544	121G0545
DSH590 (24V)	R410A	Even Tandem	DSH295	DSH295	NA	50	8556282	121G0472	121G0460	121G0484
DSH760 (24V)	R410A	Even Tandem	DSH381	DSH381	NA	60	8590017	121G0564	121G0565	121G0566
DSH970 (24V)	R410A	Even Tandem	DSH485	DSH485	NA	80	TBD	Q3-2022	Q3-2022	Q3-2022
DSH1200 (24V)	R410A	Even Tandem	DSH600	DSH600	NA	100	TBD	NA	Q2-2022	NA
DSH304U	R410A	Uneven Tandem	DSH120	DSH184	NA	25.3	Please contact Danfoss representative			
DSH324U	R410A	Uneven Tandem	DSH140	DSH184	NA	27				
DSH345U	R410A	Uneven Tandem	DSH161	DSH184	NA	28.75				
DSH360X	R410A	Cross platform	DSH120	DSH240	NA	30				
DSH424X	R410A	Cross platform	DSH184	DSH240	NA	35.3				
DSH535U	R410A	Uneven Tandem	DSH295	DSH240	NA	45				
DSH675U	R410A	Uneven Tandem	DSH381	DSH295	NA	55				
DSH780U	R410A	Uneven Tandem	DSH485	DSH295	NA	65				
DSH865U	R410A	Uneven Tandem	DSH485	DSH381	NA	70				

PSH Tandem

Manifolding Model	Refrigerant	Manifolding Type	Cmpr. 1	Cmpr. 2	Cmpr. 3	Capacity Tons	Drawing Number	230/3/60	460/3/60	575/3/60
PSH038	R410A	Even Tandem	PSH019	PSH019	NA	15	8556322	121G0604*	121G0605*	N/A
PSH052	R410A	Even Tandem	PSH026	PSH026	NA	20	8556322	121G0606*	121G0607*	
PSH060	R410A	Even Tandem	PSH030	PSH030	NA	25	8556322	121G0608*	121G0609*	
PSH078	R410A	Even Tandem	PSH039	PSH039	NA	30	8590027	121G0473	121G0461	

*Available after Q3-2021

Fixed Speed DSH-Series Trio: R410A



DSH Trio

Manifolding Model	Refrigerant	Manifolding Type	Cmpr. 1	Cmpr. 2	Cmpr. 3	Capacity Tons	Drawing Number	230/3/60	460/3/60	575/3/60
DSH1455 L	R410A	Even Trio	DSH485	DSH485	DSH485	120	8ZZ8568B	121G0490	121G0489	121G0491
DSH1455 R	R410A	Even Trio	DSH485	DSH485	DSH485	120	8ZZ8568B	121G0499	121G0498	121G0500
DSH1245 L	R410A	Uneven Trio	DSH485	DSH381	DSH381	100	8ZZ8592B	121G0486	121G0487	121G0488
DSH1245 R	R410A	Uneven Trio	DSH485	DSH381	DSH381	100	8ZZ8592B	121G0495	121G0496	121G0497

VZH Tandem

Manifolding Model	Refrigerant	Manifolding Type	Cmpr. 1	Cmpr. 2	Cmpr. 3	Capacity Tons	Drawing Number	230/3/60	460/3/60	575/3/60
VZH178H	R410A	Hybrid	VZH088	DSH090	NA	3.5–21				
VZH208H	R410A	Hybrid	VZH088	DSH120	NA	3.5–24				
VZH257H	R410A	Hybrid	VZH117	DSH140	NA	4.5–30				
VZH278H	R410A	Hybrid	VZH117	DSH161	NA	4.5–31				
VZH301H	R410A	Hybrid	VZH117	DSH184	NA	4.5–33				
VZH354H	R410A	Hybrid	VZH170	DSH184	NA	6.5–42				
VZH410H	R410A	Hybrid	VZH170	DSH240	NA	6.5–46				
VZH465H	R410A	Hybrid	VZH170	DSH295	NA	6.5–51				

Please contact Danfoss representative

Danfoss Commercial Compressors

is a worldwide manufacturer of compressors and condensing units for refrigeration and HVAC applications. With a wide range of high quality and innovative products we help your company to find the best possible energy efficient solution that respects the environment and reduces total life cycle costs.

We have 40 years of experience within the development of hermetic compressors which has brought us amongst the global leaders in our business, and positioned us as distinct variable speed technology specialists. Today we operate from engineering and manufacturing facilities spanning across three continents.



Danfoss Scrolls



Danfoss Inverter Scrolls



Danfoss Light Commercial Refrigeration Compressors



Danfoss Maneurop Reciprocating Compressors



Danfoss Turbocor Compressors



Danfoss Optyma Condensing Units

Our products can be found in a variety of applications such as rooftops, chillers, residential air conditioners, heatpumps, coldrooms, supermarkets, milk tank cooling and industrial cooling processes.

www.danfoss.com

Danfoss Commercial Compressors, BP 331, 01603 Trévoux Cedex, France | +334 74 00 28 29

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without consequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.