

Condensing Unit

DCU Series - Bitzer semi-hermetic compressor



CONDENSING
UNITS
DCU SERIES

R-404A
-30°C / +5°C

1 Quick installation

Fully packaged condensing unit for outdoor easy assembling and space saving.

2 Silent operation

Built-in sound-absorbing insulation pads to reduce noise and minimize vibration.

3 Easy maintenance

Openable cabinet door allows for easy maintenance.



Bitzer semi-hermetic reciprocating compressor⁽¹⁾ offer extended application range, high cooling capacity and minimum energy requirement.

⁽¹⁾ Other brand compressors are available on request.



Equipped with high quality components (liquid receiver, filter drier, pressure switch, oil separator, etc.) for longer service life, minimum maintenance needs.



Air cooled condenser consist of copper tubes and anti-corrosion hydrophilic-coated aluminum fins to provide optimum heat exchange capability.

Condensing Unit

DCU Series - Bitzer semi-hermetic compressor

Bitzer compressor | Medium Application Temperature -25°C / +5°C | R404A

Model	Compressor		Condenser		Fan volt.	Fan power	Fan poles	Nominal heat exchange kW	Suction	Liquid
	Model	HP	Fan dia. mm	Air flow m³/h						
DCU-3M	2DES-3Y	3	500	1 x 6900	220V-1F-50Hz	1 x 380	4	10.7	7/8"	1/2"
DCU-4M	2CES-4Y	4	500	1 x 6900	220V-1F-50Hz	1 x 380	4	14.3	7/8"	1/2"
DCU-5M	4FES-5Y	5	500	2 x 6900	220V-1F-50Hz	2 x 380	4	16.0	7/8"	1/2"
DCU-6M	4EES-6Y	6	500	2 x 6900	220V-1F-50Hz	2 x 380	4	24.0	1-1/8"	1/2"
DCU-7M	4DES-7Y	7	500	2 x 6900	220V-1F-50Hz	2 x 380	4	24.0	1-1/8"	1/2"
DCU-9M	4CES-9Y	9	500	2 x 6900	220V-1F-50Hz	2 x 380	4	32.0	1-1/8"	5/8"
DCU-10M	4VES-10Y	10	500	2 x 6900	220V-1F-50Hz	2 x 380	4	32.0	1-1/8"	5/8"
DCU-12M	4TES-12Y	12	500	2 x 6900	220V-1F-50Hz	2 x 380	4	40.0	1-3/8"	5/8"
DCU-15M	4PES-15Y	15	500	4 x 6900	220V-1F-50Hz	4 x 380	4	47.4	1-5/8"	7/8"
DCU-20M	4NES-20Y	20	500	4 x 6900	220V-1F-50Hz	4 x 380	4	59.2	1-5/8"	7/8"

(1) Condensing temperature 50°C, sub-cooling 0K.

Model	Compressor		Cooling capacity at evaporating temperature, W				Dimension, mm		
	Model	HP	-5°C	-10°C	-15°C	-20°C	L	W	H
DCU-3M	2DES-3Y	3	7420	6070	4890	3870	1500	790	970
DCU-4M	2CES-4Y	4	9180	7540	6120	4880	1500	790	970
DCU-5M	4FES-5Y	5	9940	8130	6580	5250	1720	940	1570
DCU-6M	4EES-6Y	6	12510	10200	8220	6520	1720	940	1570
DCU-7M	4DES-7Y	7	15220	12440	10040	8000	1720	940	1570
DCU-9M	4CES-9Y	9	18520	15080	12120	9610	1720	940	1570
DCU-10M	4VES-10Y	10	19180	15420	12200	9480	1720	940	1570
DCU-12M	4TES-12Y	12	23300	18810	14990	11730	1720	940	1570
DCU-15M	4PES-15Y	15	26350	21150	16680	12920	2200	940	1570
DCU-20M	4NES-20Y	20	31700	25650	20450	16070	2200	940	1570

Bitzer compressor | Low Application Temperature -30°C / -15°C | R404A

Model	Compressor		Condenser		Fan volt.	Fan power	Fan poles	Nominal heat exchange kW	Suction	Liquid
	Model	HP	Fan dia. mm	Air flow m³/h						
DCU-3L	4FES-3Y	3	500	1 x 6900	220V-1F-50Hz	1 x 380	4	10.7	7/8"	1/2"
DCU-4L	4EES-4Y	4	500	1 x 6900	220V-1F-50Hz	1 x 380	4	14.3	1-1/8"	1/2"
DCU-5L	4DES-5Y	5	500	2 x 6900	220V-1F-50Hz	2 x 380	4	16.0	1-1/8"	1/2"
DCU-6L	4CES-6Y	6	500	2 x 6900	220V-1F-50Hz	2 x 380	4	24.0	1-1/8"	1/2"
DCU-7L	4VES-7Y	7	500	2 x 6900	220V-1F-50Hz	2 x 380	4	24.0	1-1/8"	1/2"
DCU-9L	4TES-9Y	9	500	2 x 6900	220V-1F-50Hz	2 x 380	4	32.0	1-3/8"	5/8"
DCU-12L	4PES-12Y	12	500	2 x 6900	220V-1F-50Hz	2 x 380	4	32.0	1-3/8"	5/8"
DCU-14L	4NES-14Y	14	500	2 x 6900	220V-1F-50Hz	2 x 380	4	40.0	1-3/8"	5/8"
DCU-15L	4JE-15Y	15	500	4 x 6900	220V-1F-50Hz	4 x 380	4	47.4	1-5/8"	7/8"
DCU-18L	4HE-18Y	18	500	4 x 6900	220V-1F-50Hz	4 x 380	4	59.2	1-5/8"	7/8"

(1) Condensing temperature 50°C, sub-cooling 0K.

Model	Compressor		Cooling capacity at evaporating temperature, W				Dimension, mm		
	Model	HP	-20°C	-25°C	-30°C	-35°C	L	W	H
DCU-3L	4FES-3Y	3	5250	4120	3170	2380	1500	790	970
DCU-4L	4EES-4Y	4	6690	5240	4020	3010	1500	790	970
DCU-5L	4DES-5Y	5	8000	6260	4800	3600	1720	940	1570
DCU-6L	4CES-6Y	6	9610	7480	5690	4220	1720	940	1570
DCU-7L	4VES-7Y	7	9480	7190	5280	3710	1720	940	1570
DCU-9L	4TES-9Y	9	11780	9030	6740	4840	1720	940	1570
DCU-12L	4PES-12Y	12	13010	9830	7200	5040	1720	940	1570
DCU-14L	4NES-14Y	14	15950	12240	9140	6580	1720	940	1570
DCU-15L	4JE-15Y	15	19080	14810	11200	8160	2200	940	1570
DCU-18L	4HE-18Y	18	22600	17720	13570	10070	2200	940	1570

Dimensions

