



DR - SERIES DRY COOLERS



**PRZEDSIĘBIORSTWO PRODUKCJI URZĄDZEŃ
CHŁODNICZYCH TARCZYN SP. Z O.O.**

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Application:

PPUCh Tarczyn presents a new series of DR type dry coolers, based on G05 geometry. This newly developed product, the fruit of many years of our designers' experience, is able to fully satisfy the needs for this kind of cooling units. The combination of factors like tube geometry, appropriate fans, and modules enabling to achieve the maximum capacities for a given size range, places our units at the leading position among this type of products.

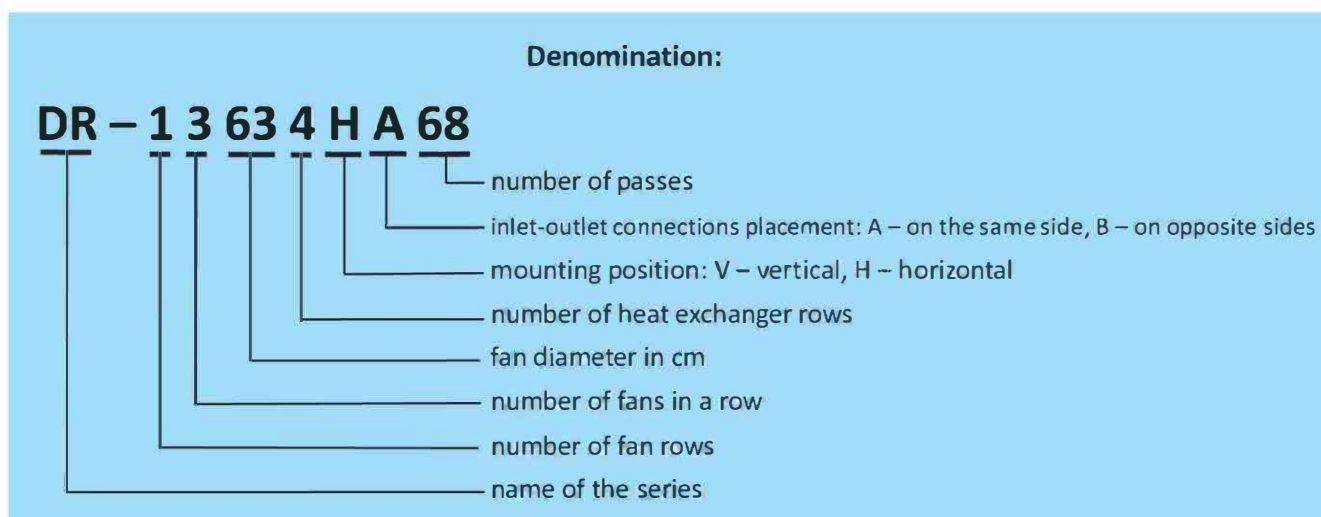
DR-series dry coolers with capacities between 107.7kW and 200kW are dedicated to be used in various systems:

- as auxiliary devices in AC systems (optimization of operating costs)
- as coolers for water and diesel engines oil in high capacity power generators, injection moulding machines, and other industrial devices
- as a completion of glycol cooling systems (cold recuperation)

Design:

The dry cooler coils are built with 1/2" copper tubes mechanically expanded inside aluminium fins which are equipped with flanges covering the whole fin spacing distance, thus ensuring perfect thermal contact. All coils are tested at 30 bar pressure. Galvanized steel casing painted with RAL 9016.

All dry cooler models may be fitted with a different number of passes in order to customize the unit for the requirements of a particular cooling system.



DR-series dry coolers with ø630 fans

Capacity determined in accordance with PN-EN 1048:2001

Ambient temperature: 25°C

Cooling agent: water

Inlet temperature: 40°C

Outlet temperature: 35°C

Type	Capacity [kW]	Air flow [m ³ /h]	Noise [dB(A)]	Inlet Outlet [inch]	Pressure drop [kPa]	Cooling medium flow [m ³ /h]	Surface [m ²]	Internal volume [dcm ³]	No. of fans [pcs]	Weight [kg]
DR-13633HA51	107,7	31 800	57	1 ½"	35,6	18,7	254	41	3	335
DR-13634HA68	116,5	30 000	57	1 ½"	35,9	20,2	340	53	3	370
DR-14633HA51	145,3	42 000	59	2"	46,7	25,2	340	54	4	445
DR-14634HA68	158,0	40 000	59	2"	42,4	27,4	452	70	4	485
DR-15633HA51	185,0	53 000	60	2 ½"	65,7	32,1	424	69	5	555
DR-15644HA68	200,0	50 000	60	2 ½"	52,5	34,6	565	88	5	615

Fans - ø630 suction – 940W/400V

Noise level provided as sound pressure from the distance of 10m

Capacity calculation for 30% ethylene glycol

Ambient temperature: 25°C

Cooling agent: 30% ethylene glycol

Inlet temperature: 40°C

Outlet temperature: 35°C

Type	Capacity [kW]	Air flow [m ³ /h]	Noise [dB(A)]	Inlet Outlet [inch]	Pressure drop [kPa]	Cooling medium flow [m ³ /h]	Surface [m ²]	Internal volume [dcm ³]	No. of fans [pcs]	Weight [kg]
DR-13633HA51	92,5	31 800	57	1 ½"	33,9	17,0	254	41	3	335
DR-13634HA68	101,8	30 000	57	1 ½"	34,6	18,7	340	53	3	370
DR-14633HA51	128,4	42 000	59	2"	48,8	23,4	340	54	4	445
DR-14634HA68	142,4	40 000	59	2"	45,0	26,1	452	70	4	485
DR-15633HA51	165,6	53 000	60	2 ½"	72,4	30,4	424	69	5	555
DR-15644HA68	182,3	50 000	60	2 ½"	59,2	33,5	565	88	5	615

