

NATIONAL COOLING SYSTEM



AIR BLAST COOLER

NATIONAL COOLING SYSTEM designed Air Blast Cooler are of small size, light weight and low noise, designed for incorporation into client's machines. The Air Cooled Oil Heat Exchanger is built up of shallow tubes having internal turbulators and external fins on all contact surfaces which results in a hugely efficient heat transfer. Multipass versions are especially suitable for low flow applications. The fans are external rotor motor type with ZZ ball bearing for maintenance free operation. Digital Temperature Indicator is also installed to indicate oil temperature.



APPLICATION

High temperature in hydraulic applications, gears or engines are not desired. A suitable Air Cooled Oil Heat Exchanger can prevent heat excess thus improving lubrication, seal life, reducing leakage and wear. Often a separate circuit for cooling and filtering is used. Another way is to cool the return flow or the hot drain oil of variable flow pump

TECHNICAL DATA OF AIR BLAST COOLER

Model	Cooling Capacity (Kcal/ Hr)	Power Supply	Dimmension (L X W X H) mm	Max Operating Pressure (Bar)	Flow Rate (LPM)	Inlet & Outlet Connection
NOC 1.5	1500	1Ph, 230 VAC	350 X 350 X 200	20	6 - 10	1/2"
		3 Ph, 415 VAC				
NOC 2.0	2000	1Ph, 230 VAC	400 X 350 X 235	20	10 - 15	1/2 "
		3 Ph, 415 VAC				
NOC 3.0	3000	1Ph, 230 VAC	450 X 400 X 235	20	20 - 25	3/4"
		3 Ph, 415 VAC				
NOC 4.5	4500	1Ph, 230 VAC	500 X 450 X 235	20	30 - 35	3/4"
		3 Ph, 415 VAC				
NOC 6.0	6000	3 Ph, 415 VAC	800 X 800 X 300	20	45-50	1"
NOC 9.0	9000	3 Ph, 415 VAC	800 X 800 X 350	20	55-60	1"

Specifications are subject to change without notification

Design Pressure :- 10 Bar Inlet Oil Temp :- 60°C

Test Pressure :- 20 Bar Outlet Oil Temp :- 50°C

Ambient Air Temp :- 40°C

NOTE :-

- 1) Air Blast Cooler are recommended to connect in Return Line.
- 2) The Performance of Air Blast Cooler depends on atmospheric air temperature. (Cooler maintain + 8 to 10 Deg Cent over ambient air temperature.

IN ASSOCIATION WITH



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