

# THXD Series

Air Oil Cooler for  
Outdoor settings, Agricultural and construction machinery.  
Rated Flow: 80~500 L/min  
Maximum Working Pressure up to 20 Bar



Index	Page No
• Applications	01
• Features	01
• Technical parameters	02
• Unit Dimensions	03
• Ordering Code	04
• Dissipation Performance Diagram	05
• Pressure Drop Diagram	05

## Applications

- Agricultural and construction machinery, mobile equipment.
- Outdoor settings. Wide application scenarios.

## Features

- Configurable with 12V/24V DC fans.
- Standard models include built-in pressure relief





Technical Parameters

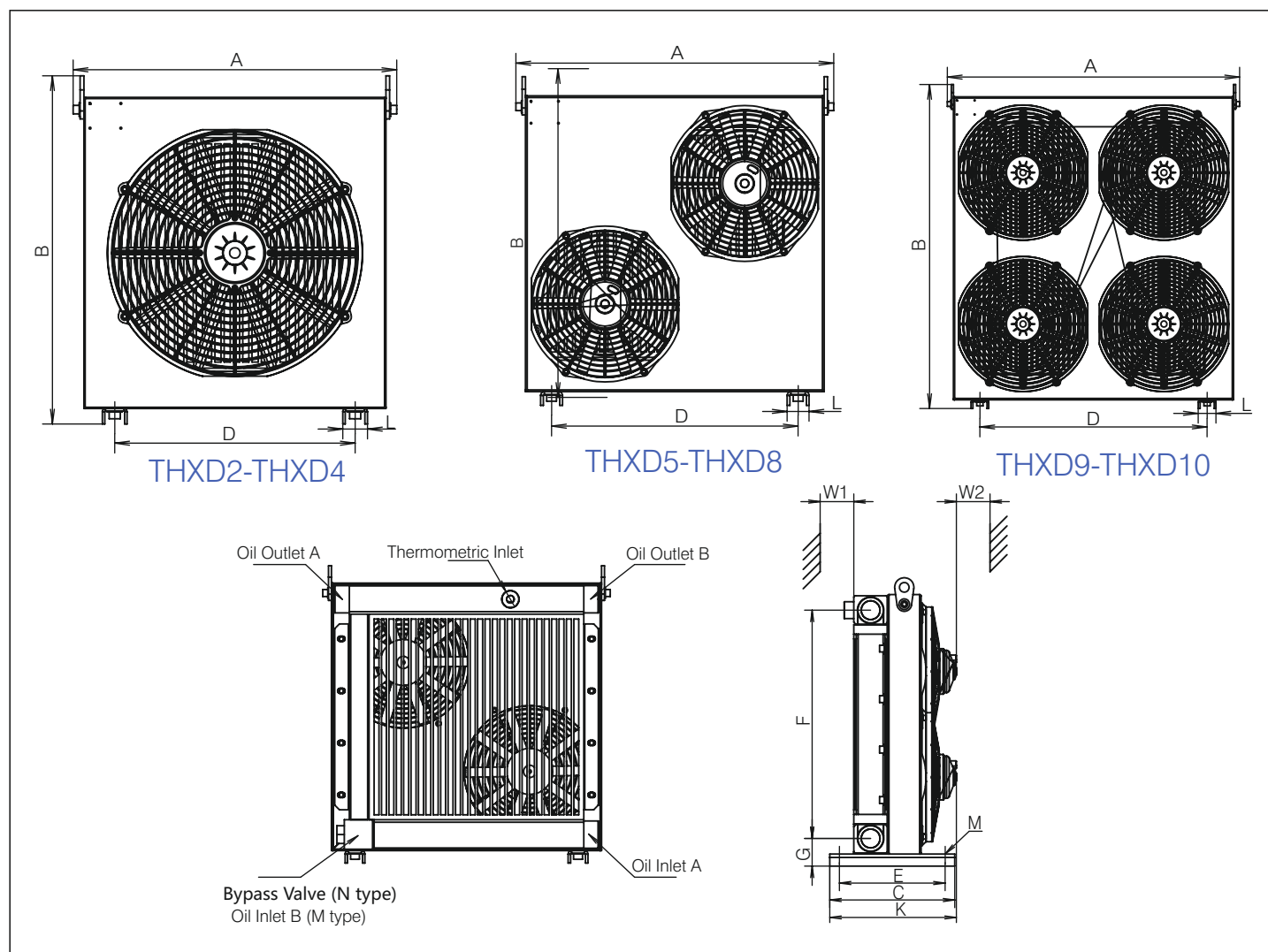
Model No.	THXD-2	THXD-3	THXD-4	THXD-5	THXD-6	THXD-7	THXD-8	THXD-9	THXD-10
Equivalent cooling power (KW/°C)	0.15	0.2	0.3	0.38	0.49	0.7	1.05	1.5	2
Rated flow (L/min)	80	100	150	200	250	300	350	400	500
Max. working pressure (bar)	20	20	20	20	20	20	20	20	20
Fan power (W)	150	200	200	2*150W	2*150W	2*150W	2*200W	4*200	4*200
Standard working voltage (V)	24/12	24/12	24/12	24/12	24/12	24/12	24/12	24/12	24/12
Inlet&Outlet thread	G¾"	G1"	G1¼"	G1¼"	G1¼"	G1¼"	G1½"	G1½"	G1½"
Thermometric thread	G3/8"	G3/8"	G3/8"	G3/8"	G3/8"	G3/8"	G3/8"	G3/8"	G3/8"
Noise level (dB)	52	68	71	72	74	75	78	79	84

- The noise value is measured at a distance of 1m from the cooler, which is only for referenceBecause it is affected by the surroundina environment, medium viscosity and reflection.





## Unit Dimensions



Model NO	THXD-2	THXD-3	THXD-4	THXD-5	THXD-6	THXD-7	THXD-8	THXD-9	THXD-10
A(±5)	365	425	530	585	630	630	750	835	970
B(±5)	400	500	565	600	625	625	765	920	1060
C(±2)	250	250	260	260	260	300	300	300	300
D(±2)	230	290	390	450	490	490	560	645	700
E(±2)	210	210	220	220	220	260	260	260	260
F(±5)	295	384	434	475	495	495	634	780	920
G(±5)	45	50	55	55	55	55	55	60	60
K(±10)	239	255	280	266	269	289	298	298	300
L(±2)	40	40	40	40	50	50	50	50	50
M	12X18	12X18	12X18	12X18	14X22	14X22	14X22	14X22	14X22
W1	180	200	250	300	300	300	350	400	450
W2	360	400	500	600	600	600	700	800	900





## Ordering Code

**THX - D - 6 - A2 - M - C - X - 0 - 0**  
**1 2 3 4 5 6 7 8 9**

### 1. Series

THX

### 2. Serial Number

D

### 3. Cooler Size Specifications

2/3/4/5/6/7/8/9/10

### 4. Operating Voltage

A1=DC12V

A2=DC24V

Beyond the above-mentioned (written in direct terms beyond the above scope)

### 5. Bypass Valve

N = Internal Pressure Bypass Valve    W = External Pressure Bypass Valve    M = No Bypass Valve

### 6. Oil Port Connection Direction

C = Side Inlet Side Outlet

### 7. Wind Direction

X = Suction Type    C = Blowing Type

### 8. Temperature Controller

0 = No Controller

T = Temperature Switch Action

Temperature T50 = 50°C, T60 = 60°C, T70 = 70°C

C = Temperature Transmitter

C1 = Compact Type

C2 = Digital Display Type

Z=Integrated temperature control switch

Z50=50°C

Z55=55°C

### 9. Radiator Protection

0 = No Protection

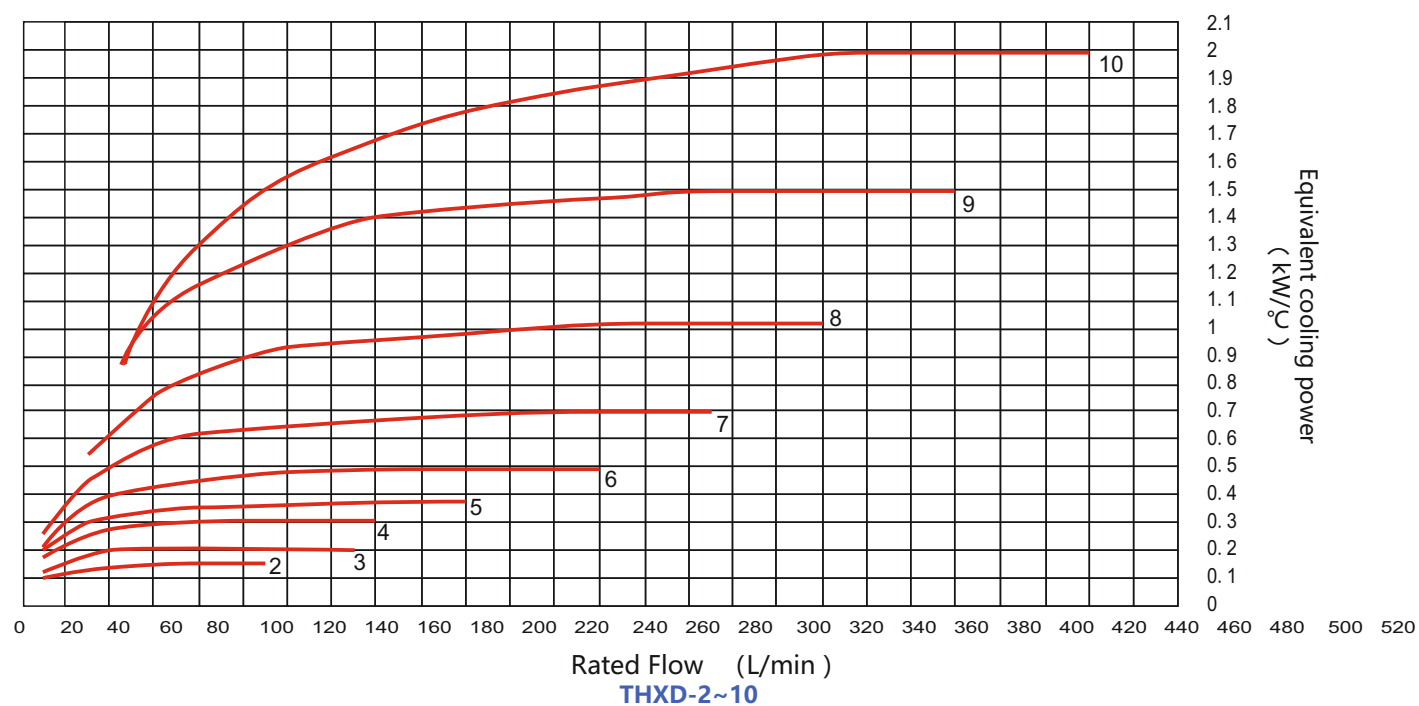
S = Stone Guard

C = Dust Guard

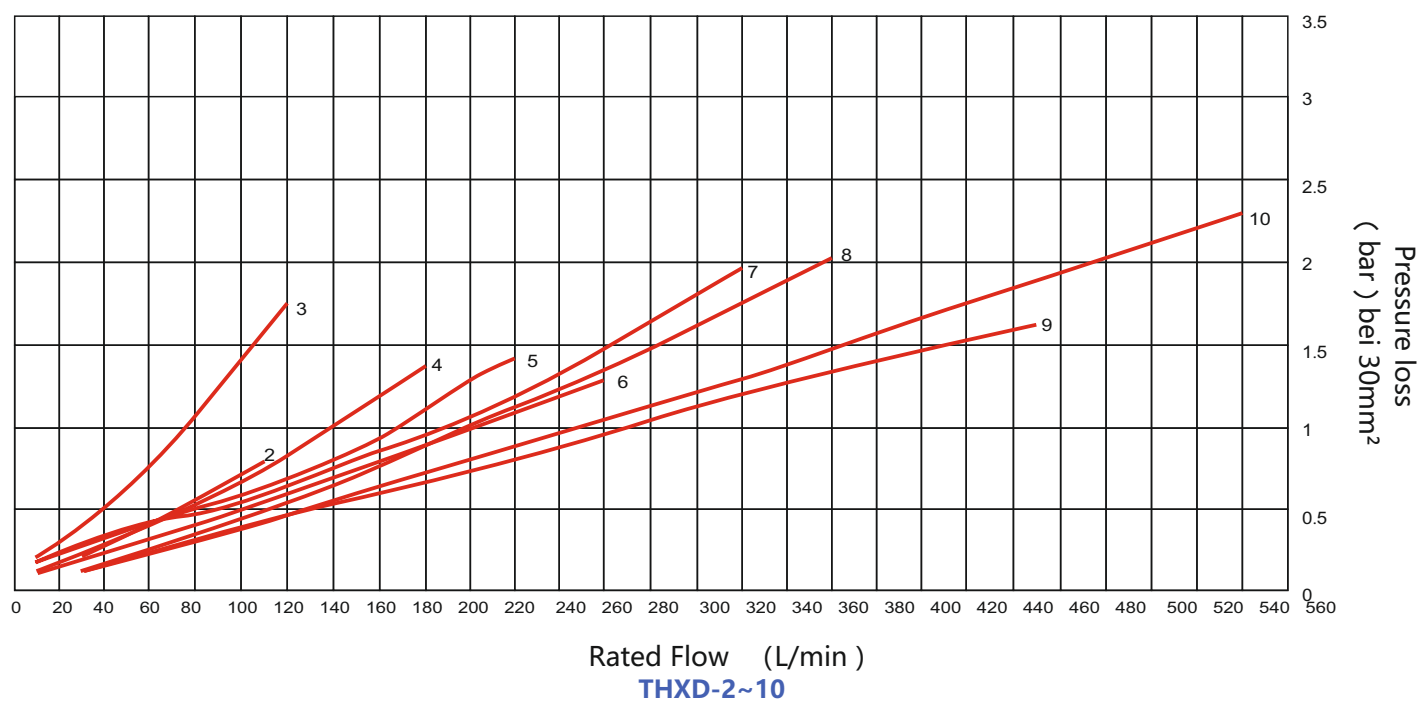




## Dissipation Performance Diagram



## Pressure Drop Diagram



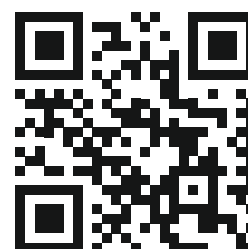


The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.



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