

Wind Cooler (standard form)

风冷却器 (标准型)



Stainless Steel Radiator
(optional)
MAX Pressure: 40 BAR

不锈钢散热片 (可选配)
最高压力: 40BAR



» Enumeration of wind cooler models 风冷却器型号说明

DFLA - 4 - 4 - A - T - 55 - 0 - SX - R - SUS - 30
1 2 3 4 5 6 7 8 9 10 11

标准风冷却器
Standard air cooler

1. Serial number
DFL, DFLA, DFLH, DFLD, DFLEX, DFT, DEQ, DEK, EC

2. Models of Cooler
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

3. Rotation rate of wind vane
2P 3000rpm =2 6P 1000rpm =6
4P 1500rpm =4 8P 750rpm =8

4. Voltage and frequency

3φ 220/380V 50Hz	=A
3φ 380/660V 50Hz	=B
3φ 660/1140V 50Hz	=C
3φ 380V 50Hz	=D
3φ 380-420V 50Hz; 440/480V 60Hz	=E
1φ 220V	=M
Others (to be introduced verbally)	=***

5. Built-in bypass-valve

Temperature bypass-valve (45-55°C)	=T
Pressure bypass-valve (3.5 Bar)	=P
None	=0
Others (to be introduced verbally)	=X

6. Temperature switch
45°C = 45, 55°C = 55, 65°C = 65, 75°C = 75, None = 00

7. Directions of entry & exit

Lower left entry, right upper exit, facing the radiator	=0
Lower right entry, left upper exit, facing the radiator	=1
Special	=Z

8. Direction of wind
Wind-inhaling = None Wind-blowing = CF Bidirectional = SX

9. Radiating process
One-way process=None Two-way process=R

10. Radiator material
None = AL SUS = 304 stainless steel Cu = cuprum

11. Working pressure
None = 16BAR 25 = 25BAR 30 = 30BAR 40 = 40BAR

Attention: If special requirements are needed, please tell us verbally.

- All series of products by our company can be equipped with temperature bypass-valves or pressure bypass-valves, which are welcome to be selected.
- When you are choosing a model, please tell us the environmental temperature and altitude where the cooler will work, so that we can help you choose it correctly.

1. 系列号
DFL, DFLA, DFLH, DFLD, DFLEX, DFT, DEQ, DEK, EC

2. 冷却器型号
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

3. 风叶转速数
2P 3000rpm =2 6P 1000rpm =6
4P 1500rpm =4 8P 750rpm =8

4. 电压和频率

3φ 220/380V 50Hz	=A
3φ 380/660V 50Hz	=B
3φ 660/1140V 50Hz	=C
3φ 380V 50Hz	=D
3φ 380-420V 50Hz; 440/480V 60Hz	=E
1φ 220V	=M
其他 (用明语说明)	=***

5. 内置旁通阀

温度旁通阀(45-55°C)	=T
压力旁通阀(3.5 Bar)	=P
无	=0
其他(用明语说明)	=X

6. 温度开关
45°C = 45, 55°C = 55, 65°C = 65, 75°C = 75, None = 00

7. 进出口方向

面对散热器, 左下进口, 右上出口	=0
面对散热器, 右下进口, 左上出口	=1
特殊	=Z

8. 风向
吸风式 = 无 吹风式 = CF 双向 = SX

9. 散热流程
单流程 = 无 双流程 = R

10. 散热片材质
无 = AL铝 SUS = 不锈钢304 Cu = 铜

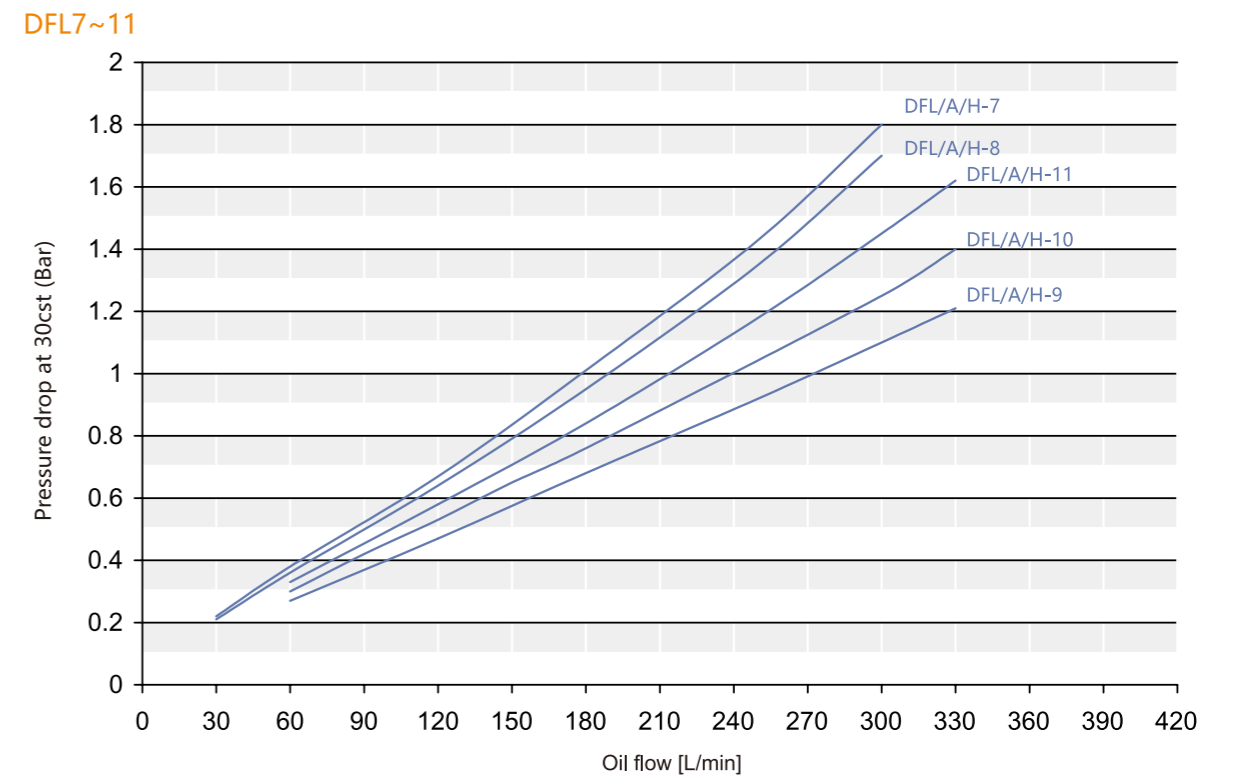
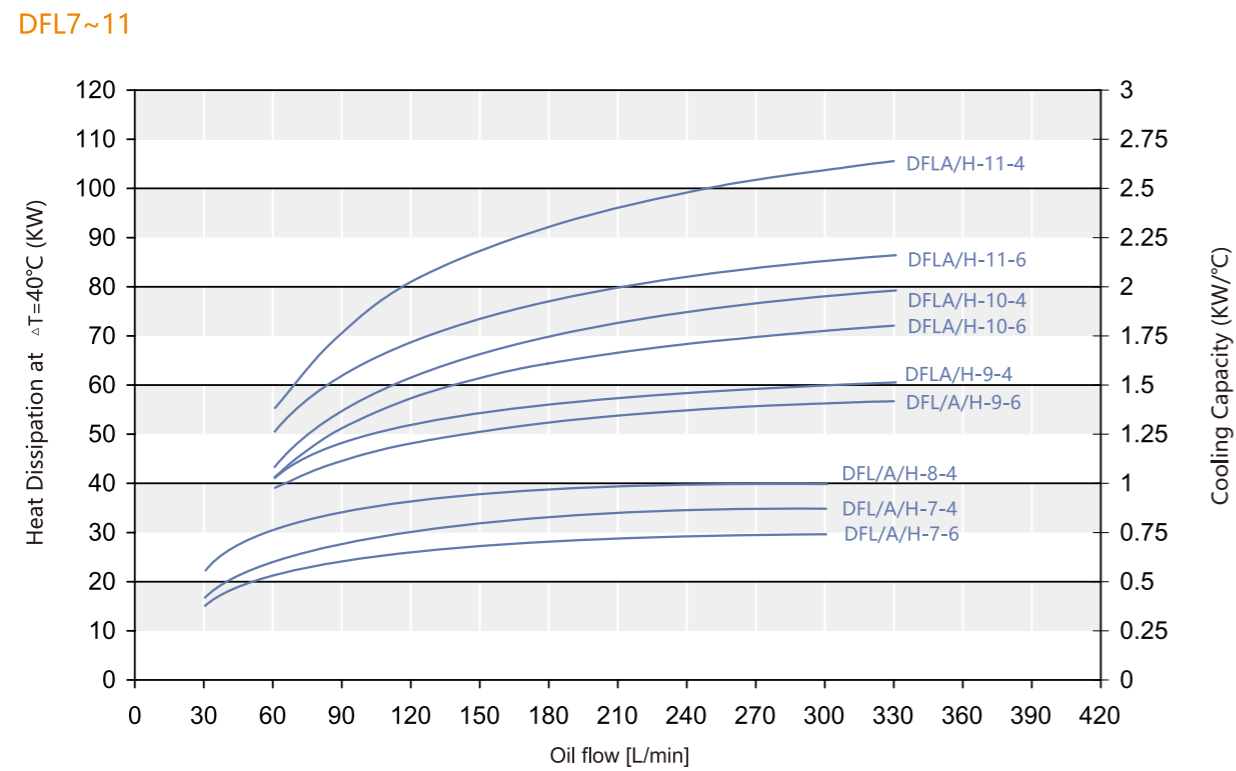
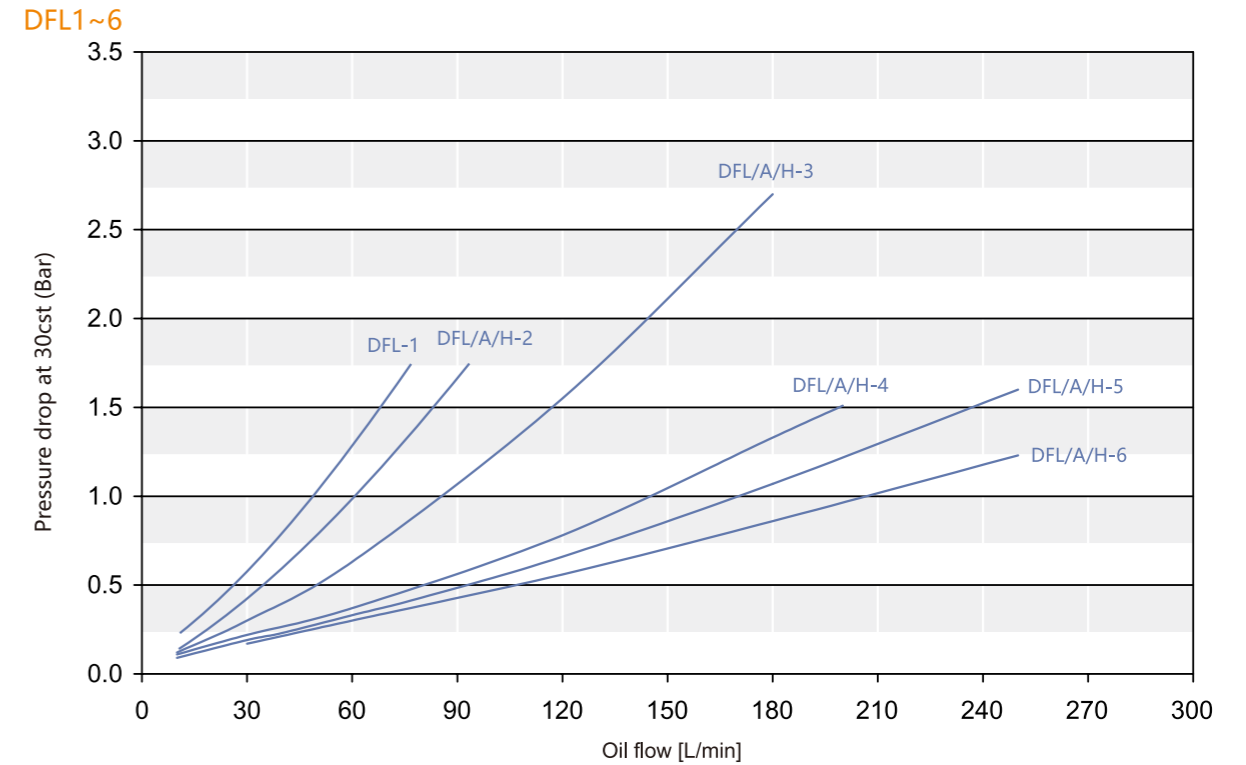
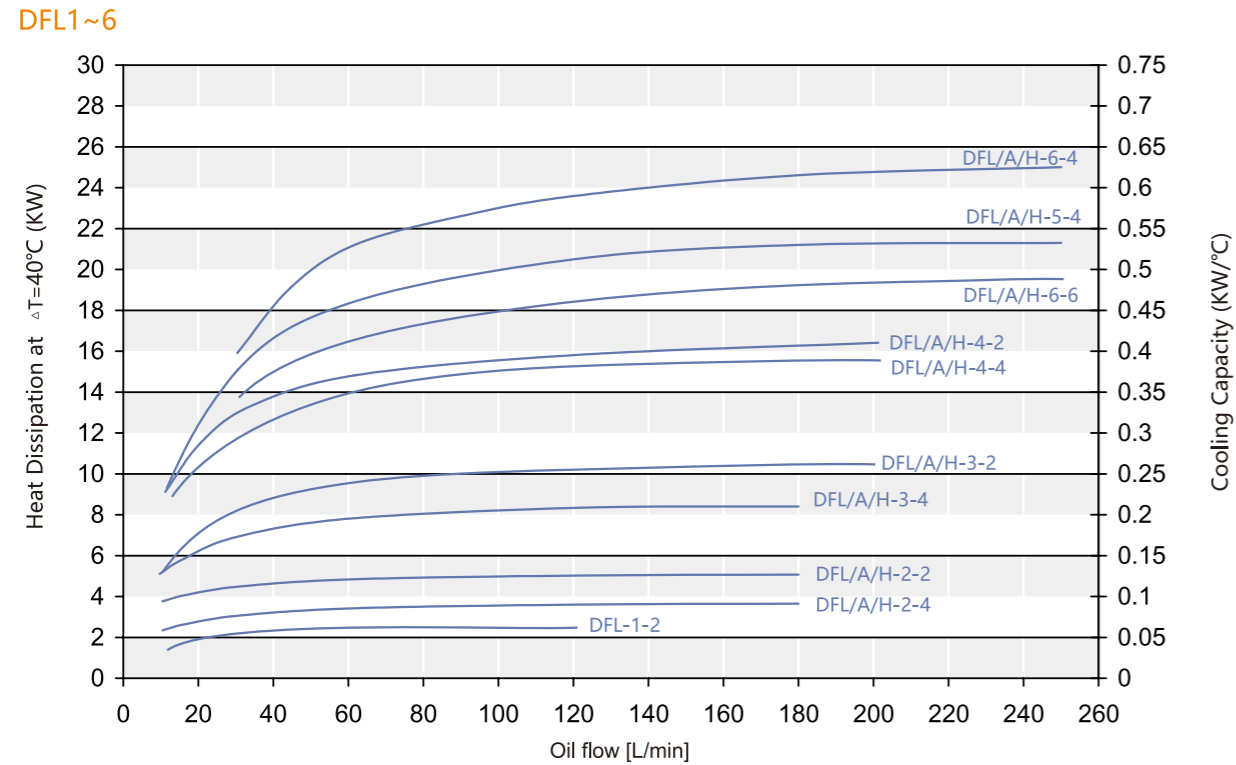
11. 工作压力
无 = 16BAR 25 = 25BAR 30 = 30BAR 40 = 40BAR

注: 如有其他特殊要求请用明语说明!

- 我公司全系列标准产品, 均可选配内置温度旁通阀或压力旁通阀, 欢迎选配
- 选型时请告知您的使用环境温度 and 海拔高度, 以便我们为您正确选型

» Heat abstraction quantity curve of DFL. DFLA. DFLEX. DFLH 散热量曲线

» Pressure drop curve of DFL. DFLA. DFLEX. DFLH 压力损失曲线



» **DFL series** Coolers applied to indoor hydraulic and lubricating systems
 液压系统、润滑系统等室内用冷却器



Mainly use for :
 General hydraulic system, lubricating system, gearbox (large reduction box) and so on in indoor environment.

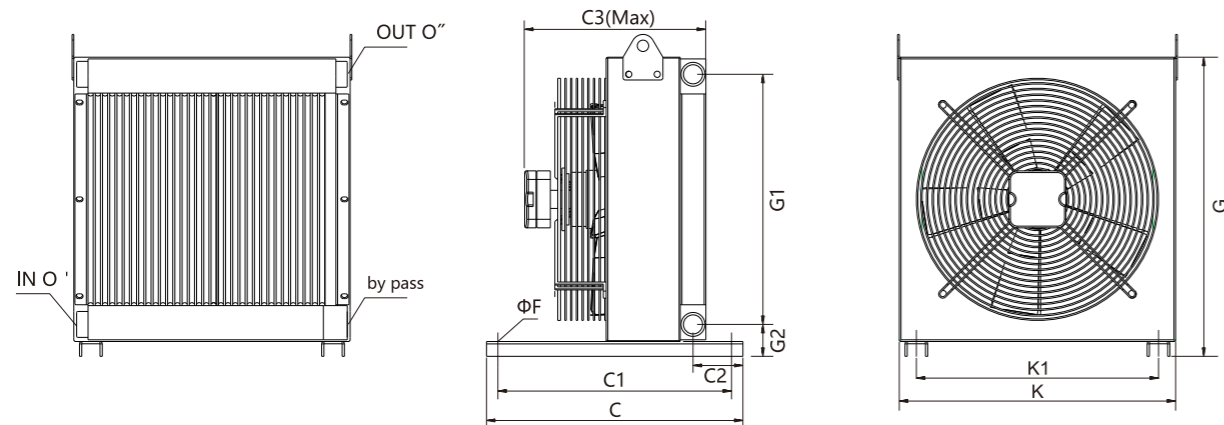
Technical data (DFL-1~DFL-8)
 Maximum static pressure:
 16 Bar (ones of higher pressure can be custom made)
 Rated inlet temperature:
 70 °C (below 130 °C can be custom made)

Radiator material: Copper, stainless steel can be custom made

DFL主要运用于:
 一般液压系统、润滑系统、齿轮箱
 (大型减速机) 等室内工作环境

技术参数:
 最大静态压力: 16Bar (更高压力接受定制)
 额定入口温度: 70°C (130°C以下可订制)

散热片材质: 铜、不锈钢可定制



Dimensions 外形尺寸 Make sure you can select the right cooler, please contact us ※ 为保证冷却器选型的准确性, 请与迪奥公司电话联系。

Type 型号	G ±10	K ±10	C ±2	G1 ±5	G2 ±5	K1 ±2	C1 ±2	C2 ±5	C3 ±5	O' O''	ΦF	
DFL1	356	226	135	289	/	206	70	/	135	G3/4"	G3/4"	9
DFL2	356	335	296	289	43	160	255	58	240	G3/4"	G3/4"	9*12
DFL3	456	385	296	389	43	290	255	63	300	G3/4"	G3/4"	9*12
DFL4	525	486	450	439	56	425	410	78	345	G1"	G1"	9*20
DFL5	565	545	450	479	56	482	410	78	345	G1"	G1"	9*20
DFL6	645	585	450	500	86	482	410	78	345	G1-1/4"	G1-1/4"	9*20
DFL7	738	708	500	630	70	560	460	98	420	G1-1/4"	G1-1/4"	9*20
DFL8	866	700	500	584	195	560	460	98	420	G1-1/4"	G1-1/4"	9*20
DFL9	980	790	700	770	80	700	660	117	485	G1-1/2"	G1-1/2"	15*24
DFL10	1040	960	700	890	90	700	660	117	485	G1-1/2"	G1-1/2"	15*24
DFL11	1220	1050	700	1062	100	700	660	117	485	G1-1/2"	G1-1/2"	15*24

» **Technical data of DFL 技术参数**

Type 型号	Comparative Cooling Capacity [KW/°C] 比散热量	Suggested Flux [L/min] 建议流量	Fan Diameter [mm] 风扇直径	Fan speed [rpm] 风扇转速	Noise level [dB(A), 1m] 噪声	Motor Voltage [V] 电机电压	Consumed Power [kW] 消耗功率	Working Pressure [bar] 工作压力
DFL1	0.05	5~40	150	2600	63	1Φ Ac220	0.04*2	16
			150	2600	63	3Φ Ac380	0.04*2	16
			150	2600	63	DC24	0.04*2	16
			150	2600	63	DC12	0.04*2	16
DFL2	0.10	10~60	300	2600	76	1Φ Ac110	0.21	16
			300	2300	76	1Φ Ac220	0.15	16
			300	2300	76	3Φ Ac380	0.15	16
			300	3000	78	DC12	0.2	16
			300	3000	78	DC24	0.2	16
DFL3	0.16	15~100	330	1380	66	1Φ Ac110	0.21	16
			330	1380	66	1Φ Ac220	0.1	16
			330	1380	66	3Φ Ac380	0.1	16
			300	3000	78	DC12	0.2	16
			300	3000	78	DC24	0.2	16
DFL4	0.34	15~120	400	1380	73	1Φ Ac220	0.18	16
			400	1380	73	3Φ Ac380	0.18	16
			385	3000	82	DC12	0.2	16
			385	3000	82	DC24	0.2	16
DFL5	0.46	20~170	450	1360	78	1Φ Ac220	0.25	16
			450	1360	78	3Φ Ac380	0.25	16
			385	3000	82	DC12	0.2	16
			385	3000	82	DC24	0.2	16
DFL6	0.6	20~180	500	1300	81	1Φ Ac220	0.45	16
			500	1300	81	3Φ Ac380	0.45	16
			250	3000	82	DC12	0.1*2	16
			250	3000	82	DC24	0.1*2	16
DFL7	0.8	50~200	630	1320	84	1Φ AC220	0.8	16
			630	1320	84	3Φ AC380	0.8	16
			300	3000	84	DC12	0.2*2	16
			300	3000	84	DC24	0.2*2	16
DFL8	0.92	50~230	630	1320	84	1Φ AC220	0.8	16
			630	1320	84	3Φ AC380	0.8	16
			385	3000	84	DC12	0.2*2	16
			385	3000	84	DC24	0.2*2	16
DFL9	1.6	50~250	700	900	84	1Φ AC220	0.9	16
			700	900	84	3Φ AC380	0.9	16
			300	3000	84	DC12	0.2*4	16
			300	3000	84	DC24	0.2*4	16
DFL10	1.7	50~280	450	1360	79	1Φ AC220	0.3*4	16
			450	1360	79	3Φ AC380	0.3*4	16
			385	3000	84	DC12	0.2*4	16
			385	3000	84	DC24	0.2*4	16
DFL11	2.1	50~300	500	1300	82	1Φ AC220	0.45*4	16
			500	1300	82	3Φ AC380	0.45*4	16
			385	3000	84	DC12	0.2*4	16
			385	3000	84	DC24	0.2*4	16

In order to avoid cracking, when a cooler is installed in the return oil circuit, a bypass unloading valve must be parallelly connected. And make sure the unloading valve can be opened preferentially when the decompression valve reaches the pressure peak. If there is a pulse in the return oil of system or the oil flow is very big, suggest to choose the self-circulating cooling system from Deo, so that you can keep the whole system stable and reliable.

为保护冷却器不致破裂, 当冷却器安装于回油回路时, 必需加装旁通卸载阀, 与冷却器并联, 并且确认泄压阀遭遇压力峰值时, 能够优先打开卸载。如果系统回油有脉冲或者流量很大, 建议选用迪奥自循环冷却系统, 以保证整个系统的稳定和可靠。

标准风冷却器
Standard air cooler