

Baudouin	Model : 20M33G2750/5	Rev : 01
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Application Data:		
	Hot water radiator	Low temperature
Required Air On Core Temp, °C	48.8	
Cooling Air Inlet Temp, °C	61	48.8
Cooling Air Outlet Temp, °C	78.5	61
Heat Rejection, Kj/S	912.3	636.9
Overload, %	10%	10%
Flow Rate, M3/H	1750	700
Coolant Inlet Temp, °C	105	85
Coolant Outlet Temp, °C	96	69.2
Fluid	50/50	50/50
Cooler Data		
Radiator Size , WxHxT,mm	L1290×W2756×H2870	
Core Type/Construction	CU	CU
Passes	1	2
Air Flow Required, m ³ /s	46	
Air-Side Press Drop, Pa	410	450
Water-Side Pressure Drop, kPa	/	/
Fan&Motor Data		
Fan Diameter, mm	1980	
Fan noise,dBA @1m	105	
Fan speed , RPM	1056	
Fan Absorb Power, Kw	97	
Number of blades	10	
External static pressure, Pa	240	

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Technical specifications:

1. Radiator product parameters:
Water high temperature radiator maximum water capacity 288L
Water low temperature radiator maximum water capacity :233L
2. Leakage Test: Watercooler is filled with 0.15MPa, compressed air, no leakage in 5 min;
3. (304) Stainless sled duplex outlet cover opens at the pressure (90±12) KPa and the intake valve should be opened of vacuum (1—5) Kpa;
4. Product assembly spray plastic, water radiator sprays black paint;
5. The cleanliness limit of the watercooler pipe is 165mg,1mm:
6. All logos ore in Chinese, English and numeric;
7. The discharge pipe and scattered tropical welling war
8. Bolt strength: grade 8.8; nut strength: Grade 8; white zinc plating anti-corrosion process;
9. The lower surface of the upper storage tank uses spray paint to handle;
10. Pressing size according to GB/T15055—m; and welding size according to GB /T 19804—C;
11. Oil specification: lithium—based 2 grease; refueling cycle: 1 replenishment without running 1500 hours. Continuous running; Fill fuel: each nozzle 14.9g:
12. Fan: Fans ore driven by engine crankshaft pulleys. Diameter: 1980 mm • number of blades: 10.
Air volume: (blow type) > 43.5 cubic meters per second. Static pressure: 610 Pa • The rotation direction is counter—clockwise according to the main view. Ambient temperature: 52 C.
13. Cleaning requirements: When oil dirt sticks to the core body, a little degreasing agent can be sprayed on the surface of the heat exchanger core first. When oil dirt is fully decomposed, it can be washed with clean water. After washing, compressed air of 0.07-0.1Kpa is blown perpendicular to the heat exchanger sheet or heat transfer belt for 1-2 minutes.
14. The roughness of the outer wall at water radiator pipe is RZ100.
15. The requirements of radiator vibration test meet Weichai's Q/WCG102.165 radiator approval specification.

Z101 水高温散热器结构参数 Structure Parameters of Wetar High Parameters Radiator			Z101 水低温中冷器结构参数 Structure Parameters of Wetar Low Temperature Radiator		
芯体 Core	芯宽(mm) Width	2686	芯体 Core	芯宽(mm) Width	2682
	芯高(mm) Height	2476		芯高(mm) Height	2476
	芯厚(mm) Thickness	78		芯厚(mm) Thickness	98
	正面积(m ²) Frontal Area	6.65		正面积(m ²) Frontal Area	6.65
	散热面积(m ²) Cooling Area	630		散热面积(m ²) Cooling Area	786
散热管 Cooling tube	管形(mm) Shape	16X1.8	散热管 Cooling tube	管形(mm) Shape	16X1.8
	壁厚(mm) wall thickness	0.15		壁厚(mm) wall thickness	0.15
	数量 Number	1088		数量 Number	1360
	散热面积(m ²) Cooling Area	91		散热面积(m ²) Cooling Area	112
	材质 Material	GH69Y2-0.15 (GB11087)		材质 Material	GH69Y2-0.15 (GB11087)
散热片 Fins	波高(mm) Wave Height	8	散热片 Fins	波高(mm) Wave Height	8
	波距(mm) Wave Distance	3.2		波距(mm) Wave Distance	3.5
	数量 Number	274		数量 Number	274
	材质 Material	T3-0.04 (GB/T2069)		材质 Material	T3-0.04 (GB/T2069)
	窗口 window	开窗 window		窗口 window	开窗 window