

Fiche produit Motralec Ziehl Abegg FC FC050 VD - fiche technique | Motralec

■ **DEMANDE DE PRIX RAPIDE** : <https://www.motralec.com/demandeContact>

FC, AC technology
Size 500

Fans for railroad engineering
01/2017

FC

for three phase alternating current, 4-4 pole

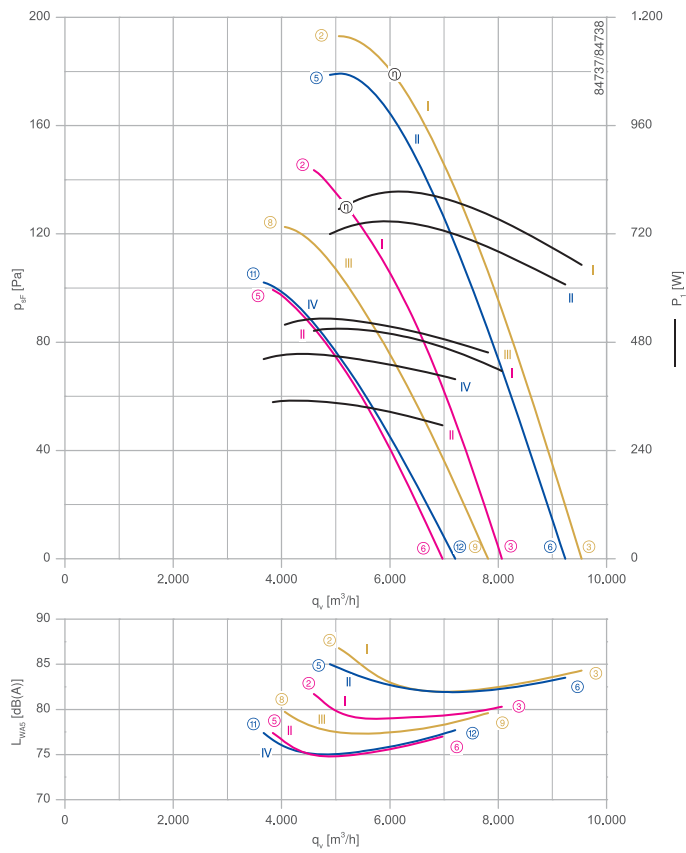
FC050-VD



Description

Motor technology: AC
 Rated voltage U_N :
 3~400 V (Δ/Y) | 3~400 V (Δ/Y) | 3~460 V (Δ/Y) *
 Rated frequency f_N : 50 Hz | 60 Hz | 60 Hz*
 Input power P_i :
 500/350 W | 740/450 W | 800/520 W*
 Rated current I_N :
 1.20/0.60 A | 1.35/0.76 A | 1.35/0.76 A*
 Rated speed n_N :
 1340/1120 min⁻¹ | 1500/1120 min⁻¹ | 1570/1230 min⁻¹*
 Current increase ΔI : 0 % | 0 % | 0 %
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -40 °C***
 Max. permitted ambient temperature $t_{R(max)}$:
 70 °C | 70 °C | 70 °C
 Electrical connection: Supply cable lateral-diagonal 105 cm
 Number of blades: 7
 Degree of protection : IP54
 Motor protection: thermal contact
 Blades: Aluminium, 2 coat paint, jet black
 Rotor: Aluminium, 2 coat paint, jet black
 Conformity: CE
 * Rated data
 *** Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

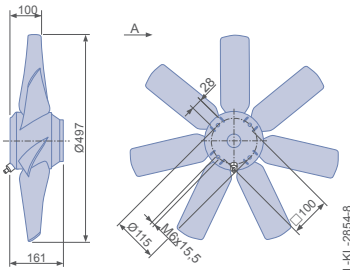
Connection diagram

Page 327
1360-108XB

Dimensions mm

Airflow direction A

Design A - without mounting



| Type | Connection | Characteristic curve | Voltage | Frequency | Operating point | Current | Input power | Speed | Suction side sound power level | |
|---------------|------------|----------------------|---------|-----------|-----------------|---------|---------------------|------------------------|--------------------------------|----|
| | | | U V | f Hz | | I A | P _i W | n min ⁻¹ | L _{WAS} dB(A) | |
| FC050-VD_4I_7 | Δ | I | 400* | 50 | ② | 1.20* | 500* | 1340* | 82 | |
| | | | 400 | | ③ | 1.10 | 420 | 1370 | 80 | |
| | | Y | II | | 400* | ⑤ | 0.60* | 350* | 1130* | 78 |
| | 400 | | | | ⑥ | 0.52 | 300 | 1190 | 77 | |
| | Δ | I | 460* | | 60 | ② | 1.35* | 780* | 1570* | 87 |
| | | | 460 | | | ③ | 1.20 | 660 | 1610 | 84 |
| | | II | 400* | ⑤ | | 1.30* | 720* | 1510* | 85 | |
| | | | 400 | ⑥ | | 1.15 | 600 | 1570 | 84 | |
| | | Y | III | 460* | | ⑧ | 0.76* | 520* | 1250* | 80 |
| | | | | 460 | | ⑨ | 0.66 | 460 | 1340 | 80 |
| | IV | ⑪ | 0.74* | 440* | 1130* | 77 | | | | |
| | | ⑫ | 0.66 | 400 | 1230 | 78 | | | | |

*rated data

Fan ordering information

Airflow direction A ➔

| | |
|--|------------------------|
| Design | A |
| Installation position | H/Vu |
|  | |
| Type | FC050-VDA.4I.A7 |
| Article no. | 175795 |
| Weight kg | 9.50 |

FC

System components

Control technology

Appendix

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Ventilateur Ziehl Abegg FC FC050 VD



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www.motralec.com/.../ziehl-abegg

DEMANDER UN PRIX >