

使用说明书

FD 系列对旋矿用轴流局部通风机，是由淄博新华风机有限公司在总结国内现有对旋式轴流局扇结构与技术性能的基础上进行研制、并生产新一代用途广泛的新型节能局部通风机。该产品具有结构合理、规格齐全、效率高、节能效果明显、噪音低、送风距离远等特点。根据不同的通风阻力要求，即可整机使用又可分级使用，从而减少通风电耗、节约能源。巷道长度在 2000m 以内可不移动风机正常送风，减少了工人的劳动强度，节约通风时间，是煤矿井下局部通风的理想设备。同时，它亦可用于冶金、有色、黄金、化工、造船和陶瓷工业等高压通风场合。其结构特征为矿用隔爆型、对旋、消声、轴流式。

主要用途及适用范围

本产品主要用于井下作压入式局部通风机，适用于采掘工作面用各种硐室的局部通风场合。同时，也适用于其它矿山的局部通风场合及各种矿用通风。

FD 系列对旋矿用轴流局部通风机技术性能参数表

机号	转速 r/min	风量 m ³ /min	全压 Pa	电动机型号	配用功率 kW	额定电压(V)	单台电机 额定电流(A)
№4.0	2900	136 ~ 89	256 ~ 2050	YBF90L-2	2×2.2	420	4.85/2.79
		150 ~ 100	325 ~ 2500	YBF100L-2	2×3	420	6.4/3.7
		165 ~ 109	375 ~ 3040	YBF112M-2	2×4	420	8.1/4.7
№5.0	2900	217 ~ 145	275 ~ 2060	YBF112M-2	2×4	420	8.1/4.7
		240 ~ 161	325 ~ 2540	YBF132S1-2	2×5.5	420	11.1/6.4/3.7
		266 ~ 178	400 ~ 3155	YBF132S2-2	2×7.5	420	14.8/8.66/4.97
№5.6	2900	286 ~ 188	275 ~ 2850	YBF132S2-2	2×7.5	420	14.8/8.66/4.97
		324 ~ 215	375 ~ 3690	YBF160M1-2	2×11	420	21.6/12.6/7.2
		358 ~ 238	440 ~ 4560	YBF160M2-2	2×15	420	28.8/17.0/9.6

№6.3	2900	410 ~ 237	400 ~ 4775	YBF160M2-2	2×15	420	28.8/17.0/9.6
		442 ~ 256	460 ~ 5475	YBF160L-2	2×18.5	420	35.5/20.5/11.8
		468 ~ 274	525 ~ 6125	YBF180M-2	2×22	420	41.0/24.4/13.67
		518 ~ 318	640 ~ 7310	YBF200L1-2	2×30	420	56.9/32.9/18.5
№7.1	2900	608 ~ 352	523 ~ 6228	YBF200L1-2	2×30	420	56.9/32.9/18.5
		652 ~ 377	602 ~ 7163	YBF200L2-2	2×37	420	67.9/40.3/22.6
		696 ~ 402	686 ~ 8161	YBF225M-2	2×45	420	82.1/48.4/27.4
№8.0	2900	817 ~ 473	605 ~ 7200	YBF225M-2	2×45	420	82.1/48.4/27.4
		874 ~ 506	692 ~ 8230	YBF250M-2	2×55	420	102.6/59.3/34.3
		970 ~ 560	850 ~ 9950	YBF2-280S-2	2×75	420	134/77/44.2
№9.0	1450	831 ~ 480	394 ~ 4710	YBF200-4	2×30	420	56.8/32.8/19.0
		890 ~ 520	450 ~ 5120	YBF2-225S-4	2×37	420	70.0/40.0/23.2
		950 ~ 550	520 ~ 6170	YBF2-225M-4	2×45	420	85.0/50.0/29.0
№10.0	1450	1171 ~ 677	514 ~ 6131	YBF250M-4	2×55	420	102.7/59.2/34.3
		1300 ~ 750	630 ~ 7540	YBF2-280S-4	2×75	420	140/81.0/47.0
		1380 ~ 800	710 ~ 8520	YBF2-280M-4	2×90	420	167/96/55.5
№11.2	1450	1650 ~ 950	650 ~ 7690	YBF2-280M-4	2×90	420	167/96/55.5
		1770 ~ 1020	750 ~ 8790	YBF2-315S-4	2×110	420	201/116/67.2
		1880 ~ 1090	850 ~ 9930	YBF2-315M-4	2×132	420	240/139/80.5

The next book in that

FD series Push-rotating axial local fan, is from Zibo Xinhua fan limited review of domestic existing contra-rotating axial flow fan structure and technical performance on the basis of the development, and the production of a new generation of wide use of new energy-saving ventilating machine local. The product has the advantages of reasonable structure, complete specifications, high efficiency, obvious energy saving effect, low noise, air distance and so on. According to the different ventilation resistance requirements, can the use can be graded using, thereby reducing ventilation power consumption, energy saving. Tunnel length within 2000m can not move the fan normal air supply, reduce the labor intensity of the workers, saving ventilation time, is ideal equipment for coal mine local ventilation in mine. At the same time, it can also be used in metallurgy, nonferrous metals, gold, chemical industry, shipbuilding and ceramic industry and other high pressure ventilating occasion. The structure characteristics of mining flameproof, counter-rotating, muffler, axial flow.

The main purpose and scope

The products are mainly used in underground press type ventilation machine, suitable for mining work face with a variety of chamber of local ventilation. At the same time, also applies to other mine local ventilation occasion and all kinds of tunnel ventilation.

FD series Push-rotating axial flow ventilating machine local technical performance parameters table

Machine number	SPEED r/min	Air volume m ³ /min	Total pressure Pa	MODEL	Matched power kW	Rated voltage (V)	The single motor Rated current (A)
№4.0	2900	136 ~ 89	256 ~ 2050	YBF90L-2	2×2.2	420	4.85/2.79
		150 ~ 100	325 ~ 2500	YBF100L-2	2×3	420	6.4/3.7
		165 ~ 109	375 ~ 3040	YBF112M-2	2×4	420	8.1/4.7
№5.0	2900	217 ~ 145	275 ~ 2060	YBF112M-2	2×4	420	8.1/4.7
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		358 ~ 238	440 ~ 4560	YBF160M2-2	2×15	420	28.8/17.0/9.6
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		442 ~ 256	460 ~ 5475	YBF160L-2	2×18.5	420	35.5/20.5/11.8
		468 ~ 274	525 ~ 6125	YBF180M-2	2×22	420	41.0/24.4/13.67
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		1380 ~ 800	710 ~ 8520	YBF2-280M-4	2×90	420	167/96/55.5
№11.2	1450	1650 ~ 950	650 ~ 7690	YBF2-280M-4	2×90	420	167/96/55.5
		1770 ~ 1020	750 ~ 8790	YBF2-315S-4	2×110	420	201/116/67.2
		1880 ~ 1090	850 ~ 9930	YBF2-315M-4	2×132	420	240/139/80.5