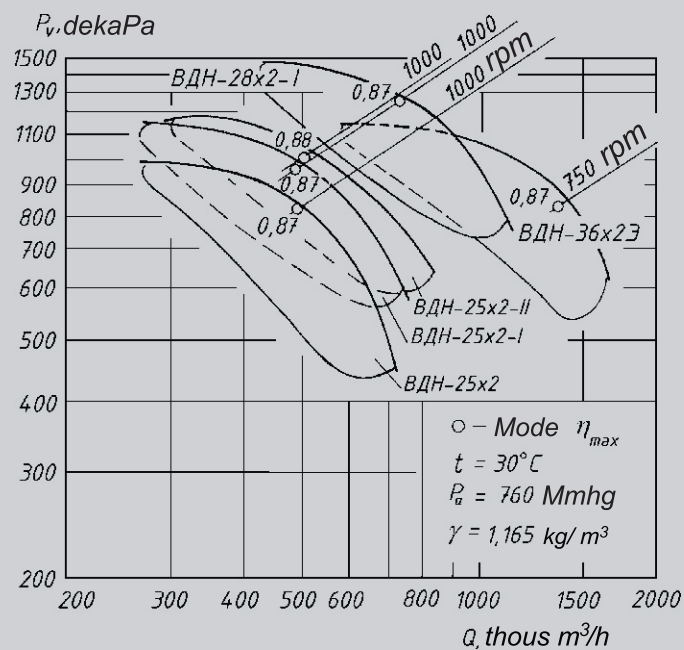


Two-side suction centrifugal fans of ВДНх2 type are designed for the stationary steam boilers furnace with 500-2650 t/h capacity. The use of this fan is allowable in ventilation installations. Maximum fan inlet air temperature should be under +100°C. The impeller blades are of airfoil section hollow type.

Fans are of left and right-hand rotation. The turn layout of the scroll case and inlet box is given in Fig.6. Technical features of the fans are shown in Figure 13 and Table 7.



**Figure 13. Q-Pv joint features of the standard ВДНх2 fans. Recommended scopes of selection**

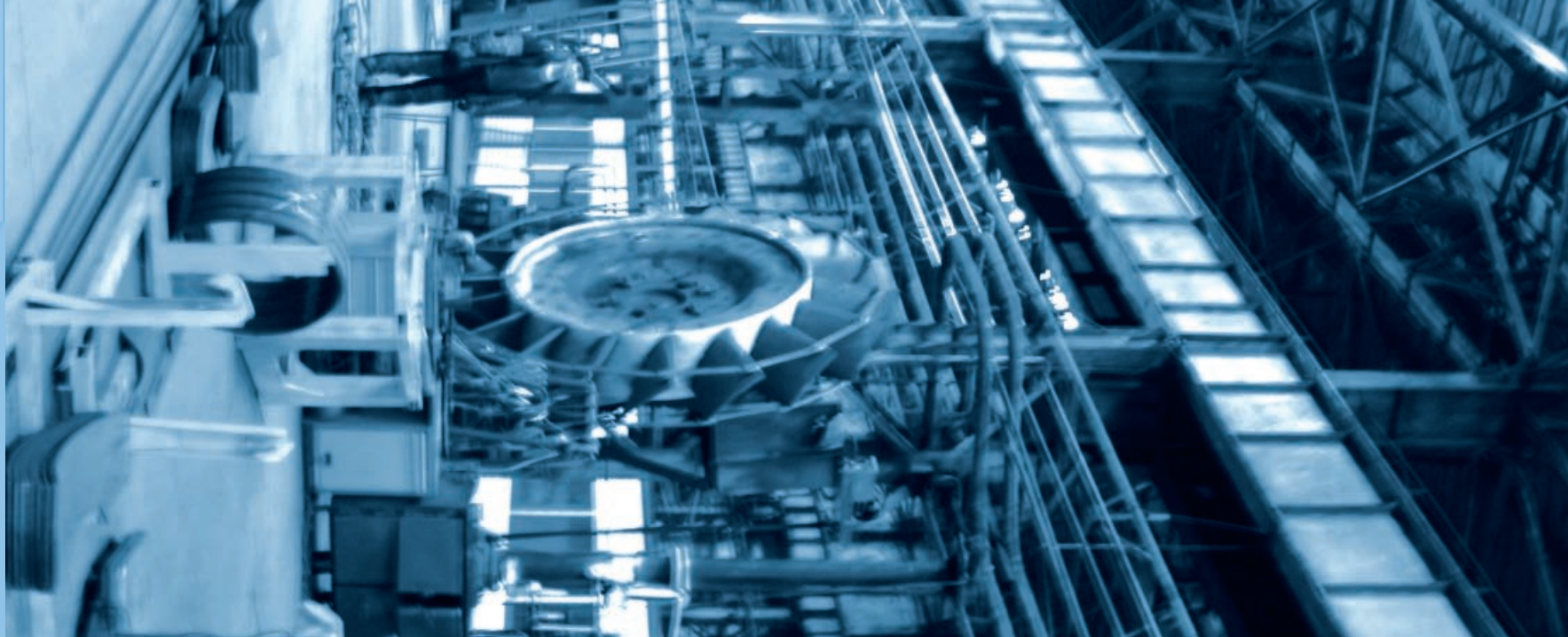


Table 7

№	Fan type	Rated inlet aerodynamic parameters under pressure 101300, temperature +30°C and air density 1.165 kg/m <sup>3</sup>			Rotary speed rpm	Weight. Kg
		Capacity Q, th, m <sup>3</sup> /h	Total pressure Pv, Pa kgf/m <sup>2</sup>	Maximum efficiency $\eta_{max}$ , %		
1	ВДН-24x2МК	500	4380 (445)	86	750	20816
2	ВДН-25x2УК	300	4640 (473)	86	750	19610
3	ВДН-25x2МК	500	8240 (840)	87	1000	24560
4	ВДН-25x2К	500	8750 (890)	88	1000	25050
5	ВДН-25x2-ІК	504	9540 (970)	87,5	1000	25050
6	ВДН-25x2-ІІК	500	10175 (1035)	88,5	1000	25100
7	ВДН-25x2-ІІМК	515	11400 (1160)	87,5	1000	25050
8	ВДН-28x2-І	730	12300 (1250)	87	1000	35200
9	ВДН-36x2-Э	1350	8680 (885)	88	750	65000