

Falcon

High Efficiency Fans ...

Falcon fans are well known in the tea industry for their efficiency and reliability. They are available in a wide range to cater to exact air requirements, consuming minimum power.

Aerofoil designed blades are dynamically balanced to ensure optimum air delivery with minimum pressure drop. All fans are constructed to withstand normal operating stress to render many years of trouble free service.

FALCON AXIAL FLOW FAN

Falcon Axial Flow fans are high volume discharge fans, used mainly in withering troughs to blow hot/cold air to facilitate better withering of tea. Impellers are Aluminium Die Cast, machined and mounted directly on the motor shaft.

SPECIFICATIONS

Code	Impeller Dia (in mm)	Air delivery at 12 mm M/Hr	W.G. Delivery Pressure CFM	Starter	Motor		RPM
					KW	HP	
TA-0922	914	27,200	16,000	DOL	1.5	2	1000
TA-1013	998	34,000	20,000	DOL	2.2	3	1000
TA-1103	1106	39,000	23,000	DOL	2.2	3	720
TA-1105	1106	51,000	30,000	MSD	3.7	5	1000
TA-1203	1194	42,500	25,000	DOL	2.2	3	720
TA-1207	1194	57,800	34,000	MSD	5.5	7.5	1000
TA-1407	1346	68,000	40,000	MSD	5.5	7.5	1000

FALCON CENTRIFUGAL FANS

Falcon centrifugal fans are high pressure centrifugal discharge type fans used mainly for discharging hot air produced by heaters either into driers or withering troughs. These fans are also used for providing humid air from mist chamber to fermenting machines. Impellers are die pressed in mild steel to obtain correct blade profile. The complete impeller assembly is mounted on heavy duty bearings & housed in mild steel casing. These fans are highly flexible to suit the site conditions i.e. drive can be set clock-wise or anti-clockwise and discharge arrangement can be provided as per site requirements. (Refer chart for selection of discharge arrangement.)

SPECIFICATIONS

Code	Impeller Dia (in mm)	Static Pressure (mm W G)	Air delivery		Fan RPM	Starter	Motor		RPM
			M/Hr	CFM			KW	HP	
TC-2	510	63.5	16,200	9,500	1645	MSD	3.7	5	1440
TC-3	760	38.0	22,100	13,000	480	ASD	7.5	10	1440
TC-4	890	38.0	32,300	19,000	480	ASD	11.0	15	1440

FALCON INDUCED DRAUGHT FANS

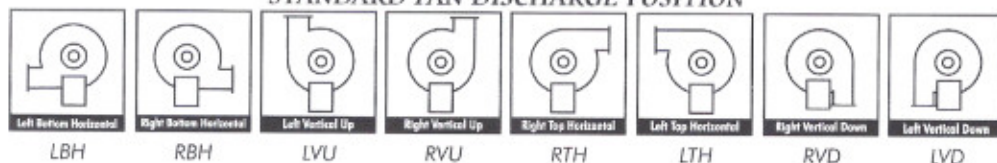
Falcon induced draught fans are high vacuum creation fans mainly used for suction of the flue gas from the heater and discharge to the atmosphere. Impellers are die pressed in mild steel to obtain correct profile. The complete impeller assembly is mounted on heavy duty bearings & housed in mild steel casing.

SPECIFICATIONS

Code	Impeller Dia (in mm)	Air delivery at 60mm W.G.		Fan RPM	Starter	Motor		RPM
		M/Hr	CFM			KW	HP	
TCI-1	445	6,120	3,600	750	DOL	2.2	3	1500
TCI-2	508	10,200	6,000	750	MSD	3.7	5	1500
TCI-3	635	12,750	7,500	750	ASD	5.5	7.5	1500
TCI-4	760	19,700	11,600	750	ASD	7.5	10	1500

* Due to a continuous process of product development, designs are subject to change without prior notice.

STANDARD FAN DISCHARGE POSITION



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