

03. SYMBOLS / NOTATIONS / UNITS

SYMBOLS	DESCRIPTION	UNITS	
		METRIC	FPS
A	NET FREE FAN AREA	M ²	Ft ²
D	FAN DIAMETER	M	Ft
d	SEAL DISC DIAMETER	MM	In
H _i	FAN INPUT POWER	KW	HP
H ₁	FAN INPUT POWER AT DUTY POINT 1	KW	HP
H ₂	FAN INPUT POWER AT DUTY POINT 2	KW	HP
H _o	FAN OUTPUT POWER	KW	HP
H _{o_s}	FAN OUTPUT POWER (STATIC)	KW	HP
HP	HORSE POWER	HP	HP
N	FAN SPEED	RPM	RPM
N ₁	FAN SPEED AT DUTY POINT 1	RPM	RPM
N ₂	FAN SPEED AT DUTY POINT 2	RPM	RPM
η	FAN EFFICIENCY	%	%
η _t	FAN TOTAL EFFICIENCY	%	%
η _s	FAN STATIC EFFICIENCY	%	%
P _t	TOTAL PRESSURE	MM WG	In .WG
P _s	STATIC PRESSURE	MM WG	In WG
P _v	VELOCITY PRESSURE	MM WG	In WG
P ₁	PRESSURE AT DUTY POINT 1	MM WG	In WG
P ₂	PRESSURE AT DUTY POINT 2	MM WG	In .WG
ρ	AIR DENSITY	KG/M ³	Lbs/Ft ³
ρ ₁	AIR DENSITY AT DUTY POINT 1	KG/M ³	Lbs/Ft ³
ρ ₂	AIR DENSITY AT DUTY POINT 2	KG/M ³	Lbs/Ft ³
Q	AIR FLOW RATE	M ³ /S	CFM
Q ₁	AIR FLOW RATE AT DUTY POINT 1	M ³ /S	CFM
Q ₂	AIR FLOW RATE AT DUTY POINT 2	M ³ /S	CFM
T _s	FAN TIP SPEED	M/S	FPM
V	AIR VELOCITY	M/S	FPM
V ₁	AIR VELOCITY AT PLANE 1	M/S	FPM
V ₂	AIR VELOCITY AT PLANE 2	M/S	Ft/Minute

Note: The above do not represent Assembly Drawing Symbols & Notations