

### 03. SYMBOLS / NOTATIONS / UNITS

SYMBOLS	DESCRIPTION	UNITS	
		METRIC	FPS
A	NET FREE FAN AREA	M <sup>2</sup>	Ft <sup>2</sup>
D	FAN DIAMETER	M	Ft
d	SEAL DISC DIAMETER	MM	In
H <sub>i</sub>	FAN INPUT POWER	KW	HP
H <sub>1</sub>	FAN INPUT POWER AT DUTY POINT 1	KW	HP
H <sub>2</sub>	FAN INPUT POWER AT DUTY POINT 2	KW	HP
H <sub>o</sub>	FAN OUTPUT POWER	KW	HP
H <sub>o<sub>s</sub></sub>	FAN OUTPUT POWER (STATIC)	KW	HP
HP	HORSE POWER	HP	HP
N	FAN SPEED	RPM	RPM
N <sub>1</sub>	FAN SPEED AT DUTY POINT 1	RPM	RPM
N <sub>2</sub>	FAN SPEED AT DUTY POINT 2	RPM	RPM
η	FAN EFFICIENCY	%	%
η <sub>t</sub>	FAN TOTAL EFFICIENCY	%	%
η <sub>s</sub>	FAN STATIC EFFICIENCY	%	%
P <sub>t</sub>	TOTAL PRESSURE	MM WG	In .WG
P <sub>s</sub>	STATIC PRESSURE	MM WG	In WG
P <sub>v</sub>	VELOCITY PRESSURE	MM WG	In WG
P <sub>1</sub>	PRESSURE AT DUTY POINT 1	MM WG	In WG
P <sub>2</sub>	PRESSURE AT DUTY POINT 2	MM WG	In .WG
ρ	AIR DENSITY	KG/M <sup>3</sup>	Lbs/Ft <sup>3</sup>
ρ <sub>1</sub>	AIR DENSITY AT DUTY POINT 1	KG/M <sup>3</sup>	Lbs/Ft <sup>3</sup>
ρ <sub>2</sub>	AIR DENSITY AT DUTY POINT 2	KG/M <sup>3</sup>	Lbs/Ft <sup>3</sup>
Q	AIR FLOW RATE	M <sup>3</sup> /S	CFM
Q <sub>1</sub>	AIR FLOW RATE AT DUTY POINT 1	M <sup>3</sup> /S	CFM
Q <sub>2</sub>	AIR FLOW RATE AT DUTY POINT 2	M <sup>3</sup> /S	CFM
T <sub>s</sub>	FAN TIP SPEED	M/S	FPM
V	AIR VELOCITY	M/S	FPM
V <sub>1</sub>	AIR VELOCITY AT PLANE 1	M/S	FPM
V <sub>2</sub>	AIR VELOCITY AT PLANE 2	M/S	Ft/Minute

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