

## RS-125D

### Rotary Screw Air Compressor

Capacity and power: ISO-1217(1996 annex #C)	60Hz	100psi	125psi	150psi
Capacity at normal working press. min – max - cfm		554	522	465
Airend - rpm		4060	3845	3330
Drive type	Direct Coupled			
<b>Air quality</b>				
Oil content ≤ PPM	3			
Aftercooler CTD. - °F	10-15			
<b>Cooling: Air cooled compressors</b>				
Cooling air flow - cfm	28000			
<b>Motor and electrical values</b>				
	460V		575V	
Main motor: Enclosure	ODP	TEFC	ODP	TEFC
Main motor: F-class, IP	IP23	IP55	IP23	IP55
Main motor: Efficiency - %	95.4	95.4	95.4	95.8
Main motor: Nominal rated power – HP	125	125	125	125 (150)
Main motor: Speed of rotation - rpm	1780	1780	1775	1780
Main motor: FLA	135	139	114	136
Main motor: Locked rotor current – A	7.0	6.5	7.0	6.6
Main motor: Service Factor	1.25	1.25	1.25	1.25
Main motor: Power Factor	0.87	0.85	0.86	0.85
Fan motor: Power – HP	10	10	10	10
Fan motor: Efficiency - %	91.7	91.0	91.7	91.0
Fan motor: Speed of rotation – rpm	1175	1175	1180	1175
Fan motor: FLA	12.8	12.9	11.4	10.3
<b>General technical data</b>				
Oil quantity – Gal	25			
Alarm high discharge temperature - °F (w/controller only)	215			
Trip high discharge temperature - °F	225+/-10			
<b>Noise levels: dB(A)</b>				
Noise level with enclosure	82			
Noise level without enclosure	86			
<b>Installation condition</b>				
Allowed ambient temperature min - max - °F	32 - 104			
Relative humidity - %	0 - 95			
<b>Compressor dimensions</b>				
	Open		Enclosed	
Compressor Outlet	2" NPT		2" NPT	
Length – inch	84		84	
Width – inch	66		66	
Height – inch	68		72	
Weight	4520		5320	

Remark:

- Capacity (FAD) measured in accordance with ISO 1217, Ed 3, Attachment C 1996, Ref. condition: Dry air, suction pressure 1 bar.
- Sound Pressure Level in accordance with ISO 2151, edition 2004 with a tolerance of 3dB(A).
- Due to continuous product development at FS-CURTIS, design and specifications are subject to change without notice.