

## RS-250D

### Rotary Screw Air Compressor

Capacity and power: ISO-1217(1996 annex #C)	60Hz	100psi	125psi	150psi
Capacity at normal working press. min – max - cfm		1170	1050	980
Airend - rpm		2204	1915	1850
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	34000			
<b>Motor and electrical values</b>				
	<b>460V</b>		<b>575V</b>	
Main motor: Enclosure	ODP	TEFC	TEFC	
Main motor: F-class, IP	IP23	IP55	IP55	
Main motor: Efficiency - %	95.8	96.2	96.2	
Main motor: Nominal rated power – HP	250	250	250	
Main motor: Speed of rotation - rpm	1780	1780	1780	
Main motor: FLA	275	281	225	
Main motor: Locked rotor current – A	7.0	6.6	6.6	
Main motor: Power Factor	0.88	0.86	0.86	
Main motor: Service Factor	1.15	1.15	1.15	
Fan motor: Power – HP	15	15	15	
Fan motor: Efficiency - %	91.7	91.7	91.7	
Fan motor: Speed of rotation – rpm	1180	1175	1175	
Fan motor: FLA	17.7	17.9	14.3	
Control voltage - V	120	120	120	
<b>General technical data</b>				
Oil quantity – Gal	50			
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	86			
Noise level without enclosure	82			
<b>Installation condition</b>				
Allowed ambient temperature min - max - °F	32 - 104			
Relative humidity - %	0 - 95			
<b>Compressor dimensions</b>				
	<b>Base Mtd Open</b>		<b>Enclosed</b>	
Compressor Outlet	3" NPT		3" NPT	
Length – inch	112		112	
Width – inch	80		80	
Height – inch	78		84	
Weight	8900		9600	

Remark:

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