

RS-100F

Rotary Screw Air Compressor

Capacity and power: ISO-1217(1996 annex #C)	60Hz	100psi	125psi	150psi	175psi	
Capacity at normal working press. min – max - cfm		457	438	374	337	
Airend - rpm		3328	3088	2705	1780	
Drive type	Direct Coupled					
Air quality						
Oil content ≤ PPM	3					
Aftercooler CTD. - °F	10-15					
Cooling: Air cooled compressors						
Cooling air flow - cfm	18300					
Motor and electrical values						
	230V		460V		575V	
Main motor: Enclosure	ODP	TEFC	ODP	TEFC	ODP	TEFC
Main motor: F-class, IP	IP23	IP55	IP23	IP55	IP23	IP55
Main motor: Efficiency - %	95.4	95.4	95.4	95.4	95.4	95.4
Main motor: Nominal rated power – HP	100	100	100	100	100	100
Main motor: Speed of rotation - rpm	1780	1775	1780	1775	1780	1775
Main motor: FLA	226	222	113	111	93	88.8
Main motor: Locked rotor current – A	6.7	7.3	6.7	7.3	6.7	7.3
Main motor: Power Factor	0.87	0.88	0.87	0.88	0.83	0.88
Main motor: Service Factor	1.25	1.25	1.25	1.25	1.25	1.25
Fan motor: Power – HP	5	5	5	5	5	5
Fan motor: Efficiency - %	89.5	89.5	89.5	89.5	89.5	89.5
Fan motor: Speed of rotation – rpm	1160	1160	1160	1160	1160	1160
Fan motor: FLA	14.8	14.6	7.4	7.3	5.8	5.46
General technical data						
Oil quantity – Gal	15					
Alarm high discharge temperature - °F (w/controller only)	215					
Trip high discharge temperature - °F	225+/-10					
Noise levels: dB(A)						
Noise level with enclosure	81					
Noise level without enclosure	85					
Installation condition						
Allowed ambient temperature min - max - °F	32 - 104					
Relative humidity - %	0 - 95					
Compressor dimensions						
	Open			Enclosed		
Compressor Outlet	2" NPT			2" NPT		
Length – inch	84			84		
Width – inch	54			54		
Height – inch	60			63		
Weight	2950			3400		

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.