

RSB-25

Oil-Injected Rotary Screw Compressor

60Hz	100psi		125psi		150psi		175psi	
Capacity and power: ISO-1217(1996 annex #C)								
Normal working pressure - psi	100		125		150		175	
Capacity at normal working press. min – max - cfm	111		101		92		84	
Airend - rpm	5110		4530		4150		3930	
Drive type	Belt							
Air quality								
Oil content ≤ PPM	3							
Aftercooler CTD. - °F	15							
Cooling: Air cooled compressors								
Cooling air flow - cfm	4800							
Cooling air pressure drop – Pa [inch H ₂ O]	77.1 [0.31]							
Cooling air temperature rise - °F	28.6							
Motor and electrical values								
	200V		230V		460V		575V	
Main motor: F-class, IP	ODP	TEFC	ODP	TEFC	ODP	TEFC	ODP	TEFC
Main motor: Efficiency - %	91.7	92.4	93.6	93.6	93.6	93.6	93.6	93.6
Main motor: Nominal rated power – HP	25	25	25	25	25	25	25	25
Main motor: Speed of rotation - rpm	1770	1765	1770	1765	1770	1765	1770	1765
Main motor: FLA	68.8	67.9	59.8	59	29.9	29.5	23.9	23.6
Main motor: Locked rotor current – A	460.1	420.7	401.3	365.8	200.3	182.9	160.1	146.3
Main motor: Power Factor	0.83	0.84	0.83	0.84	0.83	0.84	0.83	0.84
Fan motor: Power – HP	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Fan motor: Efficiency - %	68	70	68	70	68	70	68	70
Fan motor: Speed of rotation – rpm	1140	1140	1140	1140	1140	1140	1140	1140
Fan motor: FLA	2.3	3.0	2.0	2.6	1.0	1.3	0.8	1.04
Control voltage - V	120V	120V	120V	120V	120V	120V	120V	120V
General technical data								
Oil quantity – Gal	4.0							
Alarm high discharge temperature - °F (w/controller only)	215							
Trip high discharge temperature - °F	225+/-10							
Noise levels: dB(A)								
Noise level with enclosure	76							
Noise level without enclosure	79							
Installation condition								
Allowed ambient temperature min - max - °F	32 - 104							
Relative humidity - %	0 - 95							
Compressor dimensions								
	Base Mtd Open	Base Mtd Encl.	Tank Mtd Open	Tank Mtd Encl.				
Compressor Outlet	1”NPT	1”NPT	1”NPT	1”NPT				
Length – inch	60	60	77	77				
Width – inch	41	41	41	41				
Height – inch	39	43	69	74				
Weight without built-in dryer – lbs.	1060	1210	1380	1530				
Air Receiver (Tank Mounted and Fully Packaged Unit Only)								
Air Receiver Size (Gal)	N/A	N/A	120	120				
Refrigerated Dryer (Fully Packaged Unit Only)								
Pressure Dew Point - °F	N/A							
Refrigerant	N/A							

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.