

GB SERIES COMPRESSOR DATA

Item	Unit	11S	13S	13L	16S	16L
MDWP	psig	350				
MAX. DIS. PRESS (1)	psig	300				
VI	-----	2.5/3.5/5.0				
Male Rotor Diameter, Dm	mm	122.6	147.2		174.4	
Female Rotor Diameter, Df	mm	114.7	137.6		163.1	
Length to Dm Ratio (L/Dm)	-----	1.28	1.12	1.41	1.20	1.57
Swept Volume (CFM)	(3600 rpm)	155	229	286	420	508
	(1800 rpm)	78	115	143	210	254
MAX. SPEED	rpm	6000	5600		4800	
Connection Size Suction	in	Special 2-1/2"	ANSI 300# 4"		ANSI 300# 5"	
Discharge	in	NPT 2"	SPECIAL 2"		SPECIAL 2.5"	
Min. Capacity (2)	%	40	20			
Rotor Inertia WR ² (3)	Lb-ft ²	0.427	0.93	1.17	2.38	3.07
Equivalent Length (3)	ft	366	211	203	91	84

NOTE:

- MAX. INLET PRESSURE ---- 100(PSIG) (1)
- MAX. DIS. TEMPERATURE ---- 210(*F)
- MAX. BEARING OIL SUPPLY ---- 145(*F)
- MIN. SPEED (1) ----- 600(rpm)

(1) DEPENDS ON OPERATING
CONDITION

(2) SUCTION FLOW MAY BE ZERO
AT FULL UNLOADED SLIDE VALVE
POSITION BELOW 1800rpm

(3) DOES NOT INCLUDE A SHAFT
COUPLING. THE DESIGN AND
SELECTION OF THE SHAFT
COUPLING IS THE RESPONSIBILITY
OF THE CUSTOMER.