Compressor Performance Table
Gas Lift Application Ranges

Unit: **Roska CB20**

Field Gas	sg = 0.65	1st Stg PSV 1,315 PSIG	
Frame	JGP/2	3 stage	
Cyl 1:	2-3/4M	2.75"	1880 psig MAWP
Cyl 2:	3SG-CE	2.75"	3000 psig MAWP
Cyl 3:	1-3/4SG-FS-HE	1.5"	6100 psig MAWP
Driver	150HP	Electric VFD	

Abbr	Meaning
DE	Discharge Event
PC	Packing Cooling
BHP	Base Horsepower
BLTHRU	Blowthrough
T	Discharge Temperature
r	Xhd Pin
RL	Rod Load

Legend: **>= 80% BHP**, **HP Limit, reduce SP**

Discharge Pressure (psi) vs. column values 100–560:

DP	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520	540	560
500	BLTHRU																							
600	0.3	BLTHRU	BLTHRU																					
700	0.3	0.3	0.4	BLTHRU																				
800	0.3	0.3	0.4	0.4	BLTHRU																			
900	0.3	0.3	0.4	0.4	0.5	BLTHRU																		
1000	0.3	0.3	0.4	0.4	0.5	0.5	BLTHRU																	
1100	0.3	0.3	0.4	0.4	0.5	0.5	0.6	BLTHRU																
1200	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	BLTHRU															
1300	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	BLTHRU														
1400	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	BLTHRU													
1500	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	BLTHRU	BLTHRU											
1600	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	BLTHRU										
1700	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	BLTHRU									
1800	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	BLTHRU								
1900	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	BLTHRU							
2000	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	BLTHRU						
2100	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	BLTHRU					
2200	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	BLTHRU				
2300	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	BLTHRU			
2400	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	BLTHRU		
2500	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	BLTHRU	
2600	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5	BLTHRU
2700	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.6
2800	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.5
2900	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.4	1.4
3000	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.4	1.4
3100	r	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.4	1.4
3200		r	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.4	
3300			r	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.3
3400				r	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3500					r	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3600						r	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3700							r	r	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3800								r	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3900										0.7	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4000										0.7	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4100										0.7	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4200										RL	RL	RL	RL	RL	RL	RL	BHP							