



Reciprocating Compression

# Separable and Integral Compressor

## SPECIFICATIONS

### AJAX\* Integral Engine-Compressors

Model	DPC-2201		DPC-2202		DPC-2801		DPC-2802			DPC-2803			DPC-2804		
	STD	LE	STD	LE	STD	LE	STD	LE	ULE	STD	LE	ULE	STD	LE	ULE
Power <sup>a</sup> bhp (kWb)	148 (110)	148 (110)	296 (221)	296 (221)	192 (143)	192 (143)	422 (315)	384 (286)	384 (286)	634 (473)	600 (447)	600 (447)	845 (630)	800 (597)	800 (597)
BSFC Btu/bhp-hr	8,000	7,800	8,000	7,800	8,200	7,800	8,135	7,800	7,600	8,000	7,800	7,600	8,000	7,800	7,600
NOx g/bhp-hr	10.0	0.5-2.0 <sup>b</sup>	10.0	0.5-2.0 <sup>b</sup>	5.5	0.5-2.0 <sup>b</sup>	5.5	0.5-2.0 <sup>b</sup>	0.5-1.0 <sup>c</sup>	12.0	0.5-2.0 <sup>b</sup>	0.5-1.0 <sup>c</sup>	12.0	0.5-2.0 <sup>b</sup>	0.5-1.0 <sup>c</sup>
Speed Range rpm	440		440		440		440			440			440		
Minimum Speed rpm	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	380.0	300.0	300.0	380.0	300.0	300.0	380.0
Maximum Speed rpm	440		440		440		440			440			440		
Power Cylinders number	1		2		1		2			3			4		
Compressor	Number of Throws		2		1		2			2			3		
	Rod Load lb (kN)		33,000 (147)		30,000 (133)		33,000 (147)			40,000 (178)			40,000 (178)		
	Rod Diameter in (mm)		2.5 (63.5)		2.5 (63.5)		2.5 (63.5)			2.5 (63.5)			2.5 (63.5)		
	Stroke in (mm)		11 (279)		11 (279)		11 (279.4)			11 (279)			11 (279)		

\*Trademark of General Electric Company.

**Notes:**

<sup>a</sup>Rating @100°F ambient and 1,500 ft FASL

<sup>b</sup>Rated for 2.0 g/bhp-hr NOx but can achieve 0.5 g/bhp-hr

<sup>c</sup>Rated for 0.5 g/bhp-hr NOx

### AJAX Separable Compressor

C-302	
Number of Throws	2
Frame Power hp (kW)	300 (223)
Stroke in (mm)	11 (279)
Max rpm	455
Gas Rod Loads lbf (kN)	Tension 30,000 (133)
	Compression 30,000 (133)
Main Bearing Dia in (mm)	7 (178)
Rod Dia (in/mm)	2.5 (63.5)
Crankshaft mat'l	Forged Steel
Connecting Rod mat'l	Forged Steel
Frame dry weight lbs (kg)	18,000 (8165)

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**US/Canada**

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**International**

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# High Speed Reciprocating (HSR) Compressors

Frame Series	M		H			A			CFA		GH		RAM		CFR		CFH		MH			WH6			WG6			WH7			WG7					
Number of Throws	1	2	1	2	4	1	2	4	2	4	2	4	2	4	2	4	2	4	2	4	6	2	4	6	2	4	6	2	4	6	2	4	6	2	4	6
Frame Power hp (kW)	60 (45)	120 (89)	100 (75)	200 (149)	400 (298)	200 (149)	400 (298)	800 (597)	290 (216)	580 (433)	1,200 (895)	2,400 (1,790)	1,188 (886)	2,375 (1,771)	1,700 (1,268)	3,400 (2,535)	1,360 (1,014)	2,720 (2,028)	1,800 (1,342)	3,600 (2,685)	5,400 (4,027)	1,800 (1,342)	3,600 (2,685)	5,400 (4,027)	3,000 (2,237)	6,000 (4,474)	9,000 (6,711)	1,700 (1,268)	3,400 (2,535)	5,100 (3,803)	2,500 (1,864)	5,000 (3,728)	7,500 (5,593)			
Stroke in (mm)	3 (76)		3 (76)			3.5 (89)			3 (76)		5 (127)		5 (127)		5 (127)		6 (152)		6 (152)			6 (152)			6 (152)			7 (178)			7 (178)					
Max rpm	1,800		1,800			1,800			1,800		1,500		1,500		1,500		1,200		1,200			1,200			1,200			1,000			1,000					
Gas Rod Loads lbf (kN)																																				
Tension	6,000 (27)		10,000 (44)			14,500 (64)			13,000 (58)		42,000 (187)		40,000 (178)		55,000 (245)		55,000 (245)		52,000 (231)			65,000 (289)			75,000 (334)			65,000 (289)			75,000 (334)					
Compresion	6,000 (27)		10,000 (44)			12,500 (56)			13,000 (58)		42,000 (187)		40,000 (178)		55,000 (245)		55,000 (245)		52,000 (231)			65,000 (289)			75,000 (334)			65,000 (289)			75,000 (334)					
Total Peak to Peak	12,000 (53)		20,000 (89)			27,000 (120)			26,000 (116)		84,000 (374)		80,000 (356)		110,000 (489)		110,000 (489)		104,000 (463)			130,000 (578)			150,000 (667)			130,000 (578)			150,000 (667)					
Main Bearing Dia in (mm)	3 (76)		3 (76)			3.25 (83)			3.125 (79)		5.25 (133)		4.9 (124)		6 (152)		6 (152)		7 (178)			7 (178)			8 (203)			7 (178)			8 (203)					
Rod Dia in (mm)	1.125 (29)		1.125 (29)			1.375 (35)			1.125 (29)		2 (51)		2 (51)		2.25 (57)		2.5 (64)		2.25 (57)			2.5 (64)			2.75 (70)			2.5 (64)			2.75 (70)					
Crankshaft mat'l	Forged Steel		Forged Steel			Forged Steel			Forged Steel		Forged Steel		Forged steel		Forged steel		Forged steel		Forged steel			Forged steel			Forged steel			Forged steel			Forged steel					
Connecting Rod mat'l	Forged Steel		Ductile Iron			Forged Steel			Forged Steel		Forged Steel		Forged steel		Forged steel		Forged steel		Forged steel			Forged steel			Forged steel			Forged steel			Forged steel					
Frame dry weight lb (kg)	750 (340)	850 (386)	1050 (476)	1050 (476)	2350 (1066)	1240 (562)	1240 (562)	2500 (1134)	1200 (544)	2000 (907)	4100 (1860)	8200 (3719)	2500 (1134)	5250 (2381)	6500 (2948)	13500 (6124)	6500 (2948)	13500 (6124)	7280 (3302)	14360 (6514)	20740 (9408)	7600 (3447)	15010 (6808)	21700 (9843)	11500 (5216)	21500 (9752)	31500 (14288)	7600 (3447)	15010 (6808)	21700 (9843)	11500 (5216)	21500 (9752)	31500 (14288)			