

CENTRIFUGAL COMPRESSORS

2022 BASIC SPECIFICATIONS

MANUFACTURER	Catalog Page Reference	Model Designation	Axial Flow			Radial Flow				Thermal		Inlet Flow Range				MAWP Maximum Allowable Working Pressure		Compression Ratio (Per Stage)	Maximum Input Power		Speed Range (rpm)				
			Multiple Stage	Fixed Stator Vanes	Variable Stator Vanes	Single Stage	Multiple Stage	Horizontally Split	Vertically Split	Integral Gear	Integral Electric	Single Stage	Multiple Stage	OF = Oil Free OI = Oil Injected	acfm		m ³ /min		psig	bar	hp	kW	min	max	
															min	max	min								max
SIEMENS ENERGY	*	STC-SX	X	X	X			X						OF	29,400	788,000	833	21700	102	7		53800	40000		9000
		STC-SR	X	X	X	X	X	X						OF	29,400	788,000	833	21700	232	18		134000	100000		9000
		STC-GVT					X			X				OF	880	283,000	25	8000	870	60		40200	30000		45000
		DATUM				X	X	X	X					OF		470,900		13300	14500	1000		181000	135000		28500
		Axial	X	X	X									OF	75,000	700,000	2120	20000	80	5.5		125000	93250		8000
		RFA, RFBB				X	X		X					OF	12,710	62,400	360	1775	2250	155		75000	58000		13800
SOLAR TURBINES INCORPORATED	Prime Movers Tab	C16				X	X								200	2200	4	60	4500	310		13100	9800		23800
		C31				X	X		X						500	4000	15	113	5000	344		20000	14900		18000
		C33				X	X		X						800	9500	23	270	2700	186		17270	12900		19000
		C40				X	X		X						600	9000	17	255	2500	172		29500	21700		14300
		C41				X	X		X						750	18,000	21	510	3750	259		41978	31300		14300
		C41D				X	X		X						750	18,000	21	510	3750	259		41978	31300		14300
		C50				X	X		X						2000	20,000	57	585	1500	103		31915	23800		14000
		C51				X	X		X						2000	25,000	57	710	3000	207		52933	39000		12000
		C51D				X	X		X							12,000		339	3000	207					12000
		C61				X	X		X						2800	35,000	79	990	3000	207		87840	65400		10200
		C40 Pipeline				X	X		X						1500	11,000	42	300	1600	186		16223	12100		15500
		C45 Pipeline				X	X		X						3800	18,500	108	525	2250	124		35206	28300		12000
		C65 Pipeline				X	X		X						5000	24,000	142	680	1600	110		34968	28100		10500
		C75 Pipeline				X	X		X						2420	30,000	68	850	2250	155		76138	58730		8880
C85 Pipeline				X	X		X						10,000	45,000	283	1275	1600	110		77707	57900		7000		
SUNDYNE CORPORATION	*	LMC				X			X	X				OF	50	3800	85	6120	2180	149	4	550	410	2950	34000
		BMC				X			X	X				OF	50	3800	85	6120	2180	149	4	550	410	2950	34000
		LF-2000				X	X		X	X				OF	100	10,200	170	17300	4400	304	4	10000	7500	5000	50000
YORK/FRICK (JCI)	*	M Series				X	X						OF	400 to 14,200	1800 to 23,000	11 to 402	51 to 651	450 to 600	31 to 41		2500 to 17,300	1865 to 12,900		9410 to 24,980	