



fil compressors

HIGH PRESSURE SCREW COMPRESSOR

FOR **CO₂** REFRIGERATION
SYSTEM



Low Operation & Maintenance Cost



High Energy Efficiency



Designed To Operate At Higher Pressures



Sustainable To The Environment



Safety And Reliability

INDUSTRIAL APPLICATIONS



Heat Recovery



Industrial Refrigeration



Ammonia Heat Pump



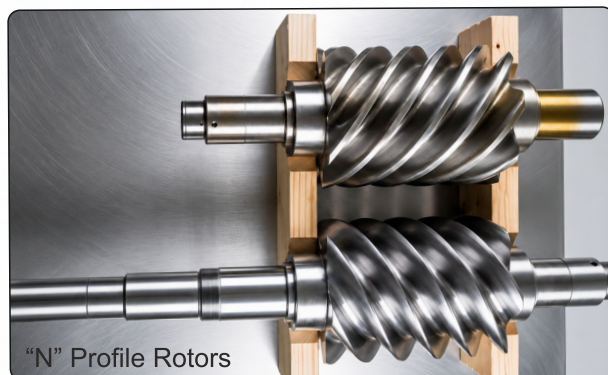
Process Applications



Chemicals & Gas Processing

220C SERIES SCREW COMPRESSOR

FIL 220C Series Screw Compressor operates at pressures up to 800 psi (55 bar), making it suitable for high-pressure applications such as CO₂ industrial refrigeration, ammonia heat pumps, and other high-pressure applications. These compressors have variable "Vi" technology, which automatically adjusts internal and external pressure ratios, which helps to reduce power consumption under varying conditions, delivering notable energy savings.



CAPACITY DATA

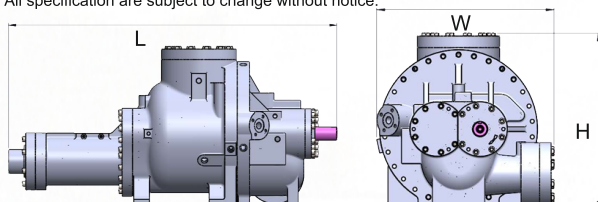
MODEL	RPM	SST °C (°F)	CMH (CFM)	SDT (-)15°C		SDT (-)5°C		SDT 5°C	
				Cooling Capacity kW (TR)	Power BkW (BHP)	Cooling Capacity kW (TR)	Power BkW (BHP)	Cooling Capacity kW (TR)	Power BkW (BHP)
220S-C	2950	-50 (-58)	680 (400)	808.7 (229.9)	198.5 (266.2)	687.7 (195.5)	236.2 (316.7)	564.6 (160.5)	263.1 (352.8)
		-45 (-49)		1029.4 (292.7)	202.8 (272.0)	887.9 (252.5)	250.6 (336.1)	743.0 (211.3)	288.2 (386.5)
		-40 (-40)		1281.1 (364.3)	201.3 (269.9)	1117.2 (317.7)	259.4 (347.9)	948.2 (269.6)	308.7 (414.0)
		-35 (-31)		1615.1 (459.2)	193.1 (259.0)	1420.4 (403.9)	261.8 (351.1)	1218.4 (346.4)	323.0 (433.1)
		-30 (-22)		1978.8 (562.6)	176.9 (237.2)	1751.8 (498.1)	256.3 (343.7)	1515.2 (430.8)	330.2 (442.8)
220L-C	2950	-50 (-58)	892 (525)	1059.2 (301.2)	260.0 (348.7)	900.7 (256.1)	309.4 (414.9)	739.5 (210.3)	344.6 (462.1)
		-45 (-49)		1348.2 (383.3)	265.6 (356.2)	1162.9 (330.7)	328.3 (440.2)	973.2 (276.7)	377.5 (506.2)
		-40 (-40)		1678.0 (477.1)	263.7 (353.6)	1463.2 (416.0)	339.8 (455.7)	1242.0 (353.1)	404.3 (542.2)
		-35 (-31)		2115.3 (601.5)	252.9 (339.1)	1860.3 (528.9)	342.9 (459.8)	1595.8 (453.7)	423.1 (567.4)
		-30 (-22)		2591.7 (736.9)	231.7 (310.7)	2294.4 (652.4)	335.8 (450.3)	1984.5 (564.3)	432.6 (580.1)
220S-C	3550	-50 (-58)	818 (481)	972.8 (276.6)	238.7 (320.1)	827.3 (235.2)	284.1 (381.0)	679.2 (193.1)	316.5 (424.4)
		-45 (-49)		1238.3 (352.1)	243.9 (327.1)	1068.1 (303.7)	301.4 (404.2)	893.8 (254.1)	346.7 (464.9)
		-40 (-40)		1541.1 (438.2)	242.1 (324.7)	1343.9 (382.1)	312.1 (418.5)	1140.6 (324.3)	371.3 (497.9)
		-35 (-31)		1942.9 (552.4)	232.2 (311.4)	1708.7 (485.8)	314.9 (422.3)	1465.7 (416.7)	388.5 (521.0)
		-30 (-22)		2380.4 (676.8)	212.8 (285.4)	2107.4 (599.2)	308.3 (413.4)	1822.7 (518.3)	397.2 (532.7)
220L-C	3550	-50 (-58)	1073 (632)	1274.2 (362.3)	312.7 (419.3)	1083.5 (308.1)	372.2 (499.1)	889.6 (252.9)	414.5 (555.9)
		-45 (-49)		1621.8 (461.1)	319.5 (428.5)	1398.9 (397.8)	394.8 (529.4)	1170.7 (332.9)	454.1 (609.0)
		-40 (-40)		2018.6 (574.0)	317.2 (425.4)	1760.2 (500.5)	408.7 (548.1)	1494.1 (424.8)	486.3 (652.1)
		-35 (-31)		2544.7 (723.5)	304.2 (407.9)	2237.9 (636.3)	412.5 (553.2)	1919.7 (545.8)	508.9 (682.4)
		-30 (-22)		3117.8 (886.5)	278.7 (373.7)	2760.1 (784.8)	403.9 (541.6)	2387.3 (678.8)	520.4 (697.9)

Note: For any condition outside the range given above please contact us.
All specifications are subject to change without notice.
Subcooling: 5°C, Suction superheat: 3°C

DIMENSIONS

MODELS	220S-C	220L-C
Dimensions (L x W x H) Inch	1506 x 770 x 760	1565 x 770 x 760
Block Weight (Kg)	1480	1600

Note: For package dimensions please contact us.
All specification are subject to change without notice.



TECHNICAL DATA

MODELS	220S-C	220L-C
Minimum RPM	1450	
Maximum RPM	3550	
Capacity Control (%)	0-100%	
Gas Inlet Port	ANSI # 600-6.0"	
Gas Outlet Port	ANSI # 600-4.0"	



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