

**Carrier/Carlyle
5F/5H Compressors**
Lubricating Oil, Horsepower, Cylinders, CFM, and RPM Information

Model	Nominal Horsepower	Cylinders	Bore x Stroke	CFM	Oil Charge	Minimum RPM
5F20	3 - 10	2	2½ - 2	19.9	5	600
5F30	5 - 15	3	2½ - 2	29.8	5½	700
5F40	7½ - 20	4	2½ - 2	39.8	12	800
5F60	10 - 30	6	2½ - 2	59.6	13	900
5H40	20 - 50	4	3¼ - 2¾	92.4	18	800
5H46	40 - 60	4	3¼ - 3 7/16	115.5	18	800
5H60	30 - 75	6	3¼ - 2¾	138.4	21	900
5H66	60 - 100	6	3¼ - 3 7/16	173.0	21	900
5H80	40 - 100	8	3¼ - 2¾	184.7	41	1100
5H86	75 - 125	8	3¼ - 3 7/16	231.0	41	1100
5H120 *	60 - 150	12	3¼ - 2¾	276.8	61 *	900
5H126 *	125 - 200	12	3¼ - 3 7/16	346.0	61 *	900

* If the oil sight glass is above center line of crankcase cover then it should be replaced with a crankcase cover that has the oil sight glass at center line and the oil charge should be reduced from 81 pints to 61 pints as shown in the table above.

** This is the minimum RPM for proper capacity control operation. Minimum RPM for proper lubrication is 400 RPM. Maximum RPM for all models is 1750.

CFM - Cubic Feet per Minute

RPM - Revolutions per Minute

Operating oil pressure for all models is 40 - 60 psi above suction psig

8 pints = 1 gallon

