

RPM/BHP CHART

APPLIES TO MODEL SCE SERIES 6



RPM/BHP Table - Values in this table are based on basic unit which includes only a heat exchanger.

SIZE	Rise Deg. F	CFM	Total Adjusted Pressure Drop ("W.C.) - from Air Flow Pressure Drop Table										
			0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
SCE 125	90	1,000	350/.04	480/.08	650/.20	750/.33	910/.35	1000/.40	1070/.45	1180/.53	1260/.60	1370/.70	1400/.75
	69	1,300	400/.12	550/.18	700/.27	800/.35	930/.42	1000/.48	1070/.55	1180/.62	1260/.70	1370/.80	1400/.85
	60	1,500	490/.20	600/.25	720/.32	810/.38	960/.47	1000/.52	1080/.60	1190/.70	1260/.77	1370/.87	1400/.90
	45	2,000	620/.35	710/.40	810/.5	900/.56	1040/.72	1070/.75	1140/.80	1210/.90	1290/1.0	1380/1.2	1410/1.3
	36	2,500	790/.57	850/.70	940/.80	1020/.90	1110/1.0	1150/1.1	1200/1.2	1270/1.3	1320/1.4	1410/1.5	1460/1.6
30	3,000	940/1.0	1000/1.1	1080/1.2	1110/1.3	1200/1.4	1240/1.5	1270/1.6	1350/1.8	1400/1.9	1480/2.1	1500/2.2	
SCE 150	90	1,230	350/.05	440/.10	600/.25	710/.33	840/.42	900/.47	960/.53	1040/.62	1100/.70	1200/.80	1230/.88
	74	1,500	390/.15	505/.22	652/.31	740/.39	860/.49	905/.54	980/.62	1080/.73	1135/.78	1205/.88	1245/.95
	65	1,700	440/.20	550/.3	670/.38	760/.44	870/.55	920/.60	990/.69	1090/.78	1140/.87	1230/1.1	1260/1.2
	56	2,000	500/.30	600/.4	700/.46	800/.55	900/.65	940/.70	1000/.8	1100/.90	1150/1.1	1240/1.25	1290/1.3
	44	2,500	630/.50	700/.60	800/.70	880/.80	950/.90	1000/1.0	1060/1.1	1110/1.2	1190/1.4	1260/1.6	1300/1.7
	37	3,000	750/.78	820/.90	900/1.0	950/1.1	1010/1.3	1080/1.4	1110/1.5	1190/1.7	1230/1.9	1300/2.1	1340/2.3
	32	3,500	880/1.25	940/1.4	1000/1.5	1050/1.6	1110/1.8	1150/2.0	1200/2.2	1260/2.5	1300/2.6	1350/2.8	1390/2.9
30	3,700	930/1.45	985/1.6	1040/1.75	1090/1.9	1150/2.1	1190/2.3	1240/2.4	1290/2.75	1325/2.9	1380/3.1	1420/3.3	
SCE 175	90	1,400	380/.10	490/.20	620/.28	710/.35	820/.40	900/.50	970/.60	1060/.70	1110/.75	1200/.87	1240/.90
	74	1,700	440/.20	550/.3	670/.38	760/.44	870/.55	920/.6	990/.69	1090/.78	1140/.87	1230/1.1	1260/1.2
	63	2,000	500/.30	600/.40	700/.46	800/.55	900/.65	940/.70	1000/.80	1100/.90	1150/1.1	1240/1.25	1290/1.3
	51	2,500	630/.50	700/.60	800/.70	880/.80	950/.90	1000/1.0	1060/1.1	1110/1.2	1190/1.4	1260/1.6	1300/1.7
	42	3,000	750/.78	820/.90	900/1.0	950/1.1	1010/1.3	1080/1.4	1110/1.5	1190/1.7	1230/1.9	1300/2.1	1340/2.3
	36	3,500	880/1.25	940/1.4	1000/1.5	1050/1.6	1110/1.8	1150/2.0	1200/2.1	1260/2.5	1300/2.6	1360/2.8	1390/2.9
	32	4,000	1000/1.8	1050/2.0	1100/2.2	1160/2.4	1210/2.6	1260/2.8	1300/3.0	1340/3.1	1380/3.4	1430/3.7	1470/3.9
	30	4,210	1050/2.1	1120/2.4	1160/2.6	1220/3.0	1260/3.1	1300/3.3	1340/3.4	1380/3.6	1420/3.8	1470/4.0	1500/4.2
SCE 200	90	1,640	410/.15	540/.28	660/.36	740/.45	850/.57	910/.60	980/.68	1050/.75	1120/.80	1220/1.0	1260/1.1
	74	2,000	500/.30	600/.39	705/.45	790/.55	895/.66	940/.72	1000/.80	1092/.90	1150/1.1	1240/1.25	1280/1.3
	59	2,500	625/.50	710/.60	800/.70	860/.80	960/.90	1000/1.0	1050/1.1	1110/1.25	1170/1.4	1260/1.6	1310/1.7
	49	3,000	760/.80	810/.9	900/1.0	950/1.1	1020/1.3	1080/1.4	1110/1.5	1190/1.7	1220/1.8	1300/2.1	1340/2.2
	42	3,500	890/1.2	950/1.4	1000/1.50	1050/1.6	1120/1.9	1150/2.0	1200/2.10	1260/2.40	1310/2.60	1350/2.80	1380/2.9
	37	4,000	1010/1.8	1050/2.0	1100/2.1	1150/2.4	1210/2.6	1250/2.8	1300/3.0	1340/3.2	1380/3.5	1420/3.7	1460/3.9
	33	4,500	1130/2.7	1190/3.0	1210/3.1	1280/3.4	1320/3.6	1350/3.8	1400/4.0	1410/4.1	1480/4.5	1520/4.6	1550/4.7
	30	4,935	1260/3.8	1285/3.9	1320/4.1	1370/4.4	1410/4.6	1440/4.8	—	—	—	—	—
SCE 225	90	1,800	440/.10	580/.33	680/.40	760/.48	870/.60	910/.65	980/.72	1080/.85	1130/.90	1230/1.1	1270/1.2
	65	2,500	625/.50	710/.60	800/.70	860/.80	960/.90	1000/1.0	1050/1.1	1110/1.25	1190/1.4	1250/1.6	1300/1.7
	54	3,000	760/.80	810/.90	900/1.0	950/1.1	1020/1.3	1080/1.4	1110/1.5	1180/1.7	1220/1.9	1300/2.1	1340/2.2
	46	3,500	890/1.2	930/1.4	1000/1.5	1050/1.6	1110/1.9	1150/2.0	1200/2.1	1250/2.4	1300/2.6	1350/2.8	1390/2.9
	41	4,000	1010/1.8	1050/2.0	1090/2.2	1150/2.3	1210/2.6	1250/2.8	1290/2.9	1340/3.2	1380/3.5	1430/3.7	1460/3.9
	36	4,500	1130/2.7	1190/3.0	1210/3.1	1280/3.4	1320/3.6	1350/3.8	1400/4.0	1410/4.1	1480/4.5	1520/4.6	1550/4.7
	33	5,000	1270/4.0	1310/4.2	1350/4.5	1390/4.7	1430/4.9	1470/5.0	—	—	—	—	—
	32	5,150	1300/4.2	1320/4.3	1370/4.6	—	—	—	—	—	—	—	—
SCE 250	90	2,050	440/.10	600/.25	710/.50	860/.75	1000/.87	1050/.90	1130/1.0	1220/1.2	1310/1.3	1410/1.5	1480/1.6
	74	2,500	530/.25	690/.50	790/.73	900/.82	1015/.93	1070/1.05	1155/1.2	1262/1.4	1342/1.53	1440/1.75	1492/1.8
	62	3,000	650/.60	790/.78	850/.86	950/.94	1060/1.15	1130/1.3	1185/1.4	1290/1.6	1350/1.8	1450/1.9	1510/2.1
	53	3,500	750/.85	850/.90	930/1.0	1020/1.2	1100/1.4	1170/1.5	1210/1.60	1310/1.8	1400/2.1	1490/2.4	1520/2.5
	46	4,000	850/1.0	940/1.25	1040/1.4	1100/1.6	1200/1.8	1230/1.9	1300/2.0	1380/2.3	1420/2.5	1520/2.8	1570/2.9
	41	4,500	950/1.4	1050/1.6	1100/1.8	1180/1.9	1250/2.1	1300/2.4	1350/2.6	1430/2.8	1500/3.1	1580/3.5	—
	37	5,000	1050/1.8	1110/2.0	1200/2.3	1260/2.5	1340/2.9	1390/3.0	1440/3.2	1500/3.5	1550/3.8	—	—
	34	5,500	1160/2.5	1230/2.7	1290/2.9	1320/3.1	1400/3.6	1460/3.9	1500/4.0	1580/4.2	—	—	—
	32	5,800	1200/2.9	1290/3.2	1330/3.3	1400/3.6	1460/4.0	1500/4.1	1550/4.5	—	—	—	—
SCE 300	90	2,400	500/.25	630/.40	780/.70	880/.77	1000/.90	1050/1.0	1150/1.1	1230/1.3	1330/1.5	1420/1.7	1490/1.8
	72	3,000	650/.60	790/.78	850/.86	950/.94	1060/1.15	1130/1.3	1185/1.4	1290/1.6	1350/1.8	1450/1.9	1510/2.1
	62	3,500	750/.85	850/.90	930/1.0	1020/1.2	1100/1.4	1170/1.5	1210/1.60	1310/1.8	1400/2.1	1490/2.4	1520/2.5
	54	4,000	850/1.0	940/1.25	1040/1.4	1100/1.6	1200/1.8	1230/1.9	1300/2.0	1380/2.3	1420/2.5	1520/2.8	1570/2.9
	48	4,500	950/1.4	1050/1.6	1100/1.8	1180/1.9	1250/2.1	1300/2.4	1350/2.6	1430/2.8	1500/3.1	1580/3.4	—
	43	5,000	1050/1.8	1110/2.0	1200/2.3	1260/2.5	1340/2.9	1390/3.0	1430/3.2	1500/3.6	1560/3.8	—	—
	39	5,500	1160/2.5	1290/2.7	1300/2.9	1330/3.2	1440/3.7	1470/3.9	1520/4.1	1570/4.3	—	—	—
	36	6,000	1270/3.2	1320/3.6	1390/4.0	1440/4.2	1500/4.4	1550/4.7	1600/5.0	—	—	—	—
	34	6,300	1300/3.9	1370/4.0	1410/4.3	1500/4.6	1550/5.0	—	—	—	—	—	—

PACKAGED HORIZONTAL SYSTEMS



RPM/BHP CHART (cont'd)

APPLIES TO MODEL SCE SERIES 6

RPM/BHP Table - Values in this table are based on basic unit which includes only a heat exchanger.

SIZE	Rise Deg. F	CFM	Total Adjusted Pressure Drop ("W.C.) - from Air Flow Pressure Drop Table										
			0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
SCE 350 Series 6	90	2,800	450/.20	590/.65	700/.75	800/.87	900/1.0	960/1.1	1030/1.4	1110/1.4	1180/1.6	1240/1.8	1280/2.0
	72	3,500	540/.70	660/.85	780/.90	865/1.1	970/1.35	1000/1.45	1055/1.5	1160/1.9	1230/2.1	1300/2.4	1340/2.5
	63	4,000	650/.85	750/1.0	850/1.25	920/1.4	1000/1.6	1050/1.75	1110/2.0	1200/2.3	1260/2.6	1330/2.9	1380/2.1
	56	4,500	730/1.1	800/1.3	900/1.5	980/1.7	1060/2.0	1100/2.2	1160/2.4	1220/2.7	1300/3.0	1370/3.5	1410/3.7
	51	5,000	820/1.4	890/1.6	960/1.8	1040/2.1	1100/2.4	1160/2.8	1190/2.9	1280/3.4	1340/3.7	1400/4.0	1450/4.2
	46	5,500	900/1.8	950/2.0	1030/2.3	1100/2.6	1170/3.0	1200/3.2	1250/3.6	1330/4.0	1380/4.4	1450/4.9	—
	42	6,000	970/2.4	1040/2.8	1110/3.0	1170/3.8	1240/4.0	1290/4.2	1330/4.7	—	—	—	—
	39	6,500	1040/2.9	1100/3.3	1170/3.9	1220/4.3	1300/4.8	—	—	—	—	—	—
SCE 400 Series 6	37	6,800	1100/3.6	1150/3.8	1210/4.2	1280/4.7	—	—	—	—	—	—	—
	90	3,200	460/.20	610/.75	710/.80	800/.90	910/1.1	960/1.25	1030/1.4	1110/1.7	1180/1.9	1250/2.1	1280/2.2
	72	4,000	600/.82	700/.90	790/1.07	880/1.25	970/1.7	1010/1.65	1070/1.85	1170/2.1	1230/2.5	1300/2.7	1340/2.9
	64	4,500	690/1.0	770/1.2	850/1.4	920/1.6	1010/1.8	1050/2.1	1110/2.2	1200/2.6	1250/2.8	1320/3.1	1350/3.3
	58	5,000	760/1.3	840/1.5	900/1.7	980/1.9	1060/2.2	1100/2.5	1160/2.7	1220/3.0	1290/3.3	1350/3.8	1380/4.0
	53	5,500	840/1.7	910/1.9	990/2.2	1050/2.5	1100/2.75	1150/3.0	1200/3.3	1280/3.8	1330/4.1	1380/4.5	1410/4.7
	48	6,000	910/2.1	950/2.3	1010/2.6	1100/2.9	1170/3.4	1200/3.6	1240/3.8	1300/4.1	1360/4.6	1400/5.0	—
	44	6,500	990/2.6	1040/2.9	1100/3.2	1150/3.7	1220/4.4	1300/4.5	1350/5.0	—	—	—	—
41	7,100	1090/3.8	1140/4.0	1180/4.2	1230/4.8	—	—	—	—	—	—	—	

Motor/HP/Voltage Selection and Starter Requirement Chart

Use this chart to determine whether a particular voltage/horsepower combination is available. Option AN10 starter must be ordered where indicated. 1/4-3 HP Open and Enclosed motors that require a starter do not have internal overload protection, and a starter (Option AN10) **must be ordered** to provide external overload protection. 1/4-3 HP Open and Enclosed motors that do not require a starter have internal overload protection and a standard contactor.

Model SCE and Model XE

Motor	Option No.	HP	Voltage	115/1/60	208/1/60	230/1/60	208/3/60	230/3/60	460/3/60	575/3/60
			RPM	AK1	AK2	AK3	AK5	AK6	AK7	AK8
Open Motors	AL2	1/4	1,725	X	X	X	X ^A	X ^A	X ^A	N/A
	AL3	1/3	1,725	X	X	X	X ^A	X ^A	X ^A	N/A
	AL4	1/2	1,725	X	X	X	X	X	X	N/A
	AL5	3/4	1,725	X	X	X	X	X	X	N/A
	AL6	1	1,725	X	X	X	X	X	X	X ^A
	AL7	1 1/2	1,725	N/A	X	X	X	X	X	X ^A
	AL8	2	1,725	N/A	N/A	N/A	X	X	X	X ^A
	AL9	3	3,600	N/A	N/A	N/A	X	X	X	X ^A
Totally Enclosed Motors	AL10	5	3,600	N/A	N/A	N/A	X ^B	X ^B	X ^B	X ^B
	AL19	1/4	1,725	X	X	X	X	X	X	N/A
	AL20	1/3	1,725	X	X	X	X ^A	X ^A	X ^A	N/A
	AL21	1/2	1,725	X ^C	X ^C	X ^C	X	X	X	X ^A
	AL22	3/4	1,725	X ^C	X ^C	X ^C	X	X	X	X ^A
	AL23	1	1,725	X ^C	N/A	X ^C	X ^C	X ^C	X ^C	X ^{A C}
	AL24	1 1/2	1,725	N/A	N/A	N/A	X ^C	X ^C	X ^C	X ^A
	AL25	2	1,725	N/A	N/A	N/A	X ^{A C}	X ^{A C}	X ^A	X ^{A C}
AL26	3	3,600	N/A	N/A	N/A	X ^{A C}	X ^{A C}	X ^A	N/A	

^A Require Motor Starter (Reznor Option AN10)

^B 5 HP Open Motors do not have internal overload protection. An IEC open starter with one auxiliary contact is included.

^C Not Available with Filter Rack and Filters (Reznor Option AW2, AW7, AW8, AW9, AW10 and AW11)