

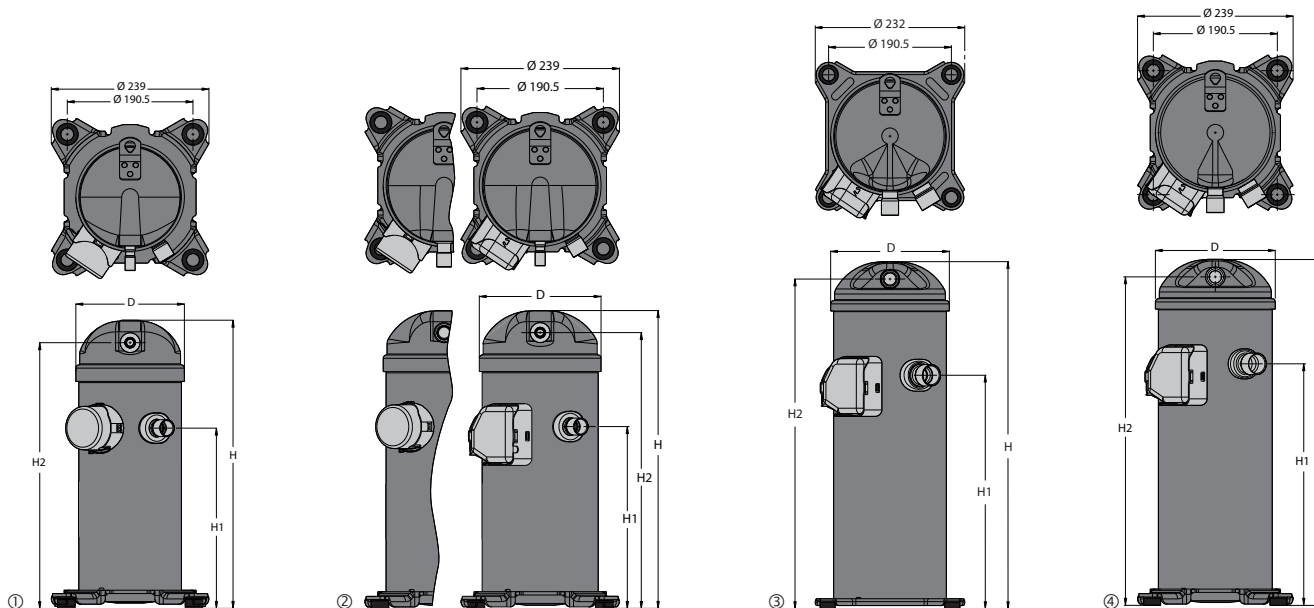


Residential and light commercial scroll compressors

50 Hz - R407C - R22 - R410A

QUICK REFERENCE

DIMENSIONS



Outline	R22	R407C	R410A	D	H	H1	H2
①	HRM032-034-038-040-042	HRP034-038-040-042	HRH029-031-032-034-036-038	165	413	250	379
①	HRM045-047	HRP045-047	HRH040	165	439	275	405
②	HRM048-051-054-058-060- HLM068-072-075-078-081	HRP048-051-054-058-060- HLP068-072-075-081	HRH041-044-049-051-054-056- HLH061-068-072-083	184	455	280	422
③	HCM094	HCP094		184	536	369	509
③	HCM109-120	HCP109-120		184	545	369	519
④			HCM090-105-120	184	537	377	510

All dimensions in mm

NOMENCLATURE

Type	Size	Motor	Features
HRH	036	U1L	P6

Application: _____
H: high temperature / air conditioning

Family: _____
C: light commercial scroll
R: residential scroll (new platform)
L: light commercial scroll (new platform)

Refrigerant & lubricant: _____
M: R22, alkylbenzene lubricant
P: R407C, PVE lubricant
H: R410A, PVE lubricant
J: R410A, PVE lubricant

Nominal capacity: _____
In thousand Btu/h at 60 Hz, ARI conditions

Model variation _____
T: design optimized for 7.2/54.4°C
U: design optimized for 7.2/37.8°C

Other features

	Oil sight glass	Oil equalisation	Oil drain	LP gauge port	Gas equalisation port
6	None	None	None	None	None
7	Threaded	None	None	None	None
8	None	Brazed	None	None	Brazed

Tubing and electrical connections
P: brazed connections, spade terminals
C: brazed connections, screw terminals

Motor protection
L: internal motor protection

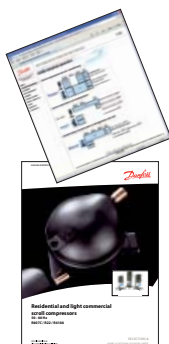
Motor voltage code
1: 208-230V/1~/60 Hz
2: 200-220V/3~/50Hz & 208-230V/3~/60 Hz
4: 380-400V/3~/50 Hz & 460V/3~/60 Hz
5: 220-240V/1~/50 Hz
7: 500V/3~/50 Hz & 575V/ 3~/60 Hz
9: 380V/3~/60 Hz

QUICK REFERENCE
CODE NUMBERS

	Model	Model variation	Connections	Features	Industrial pack			Single pack		
					4	5	7	4	5	7
R410A	HRH029	U	P	6	120U2284	-	-	120U2287	-	-
	HRH031	U	P	6	120U1188	120U1163	120U1213	120U1191	120U1166	120U1216
	HRH032	U	P	6	120U1193	120U1168	120U1218	120U1196	120U1171	120U1221
	HRH034	U	P	6	120U2443	120U2647	120U1223	120U2446	120U2650	120U1226
	HRH036	U	P	6	120U1198	120U1173	120U1228	120U1201	120U1176	120U1231
	HRH038	U	P	6	120U1203	120U1178	120U1233	120U1206	120U1181	120U1236
	HRH040	U	P	6	120U1208	120U1183	120U1238	120U1211	120U1186	120U1241
	HRH041	U	C	8	120U2394	-	120U2399	120U2397	-	120U2402
	HRH041	U	P	6	120U1353	-	120U1403	120U1356	-	120U1406
	HRH044	U	P	6	120U1358	-	120U1408	120U1361	-	120U1411
	HRH049	U	P	6	120U1363	-	120U1413	120U1366	-	120U1416
	HRH051	U	P	6	120U1368	120U1323	120U1418	120U1371	120U1326	120U1421
	HRH054	U	P	6	120U1373	120U1328	120U1423	120U1376	120U1331	120U1426
	HRH056	U	C	6	120U1383	-	120U2234	120U1386	-	120U2237
	HRH056	U	P	6	120U1378	120U1333	120U1428	120U1381	120U1336	120U1431
	HLH061	T	C	6	120U2049	-	120U2054	120U2052	-	120U2057
	HLH061	T	P	6	-	120U2044	-	-	120U2047	-
	HLH068	T	C	6	120U1388	-	120U1433	120U1391	-	120U1436
	HLH068	T	C	8	120U2414	-	120U2419	120U2417	-	120U2422
	HLH068	T	P	6	-	120U1338	-	-	120U1341	-
	HLJ072	T	C	6	120U1393	-	120U2034	120U1396	-	120U2037
	HLJ072	T	C	8	120U2164	-	-	120U2167	-	-
	HLJ072	T	P	6	-	120U1343	-	-	120U1346	-
	HLJ075	T	C	6	120U2264	-	120U2259	120U2267	-	120U2262
	HLJ075	T	C	8	120U2429	-	120U2434	120U2432	-	120U2437
	HLJ083	T	C	6	120U1398	-	120U1438	120U1401	-	120U1441
	HLJ083	T	C	8	120U2169	-	-	120U2172	-	-
	HLJ083	T	P	6	-	120U1348	-	-	120U1351	-
	HCO90	T	C	6	120U2299	-	120U2309	120U2302	-	120U2312
	HCO90	T	C	7	120U2531	-	120U2507	120U2534	-	120U2510
	HCO90	T	C	8	120U2535	-	120U2511	120U2538	-	120U2514
	HCO90	T	C	6	120U2319	-	120U2329	120U2322	-	120U2332
	HCO90	T	C	7	120U2571	-	120U2515	120U2574	-	120U2518
	HCO90	T	C	8	120U2575	-	120U2519	120U2578	-	120U2522
	HCO90	T	C	6	120U2339	-	120U2349	120U2342	-	120U2352
	HCO90	T	C	7	120U2555	-	120U2523	120U2558	-	120U2526
HCO90	T	C	8	120U2559	-	120U2527	120U2562	-	120U2530	
R407C	HRP034	T	P	6	120U2021	120U2016	-	120U2024	120U2019	-
	HRP038	T	P	6	120U1003	120U0958	-	120U1006	120U0961	-
	HRP040	T	P	6	120U1013	120U1926	-	120U1016	120U1929	-
	HRP042	T	P	6	120U1023	120U2154	-	120U1026	120U2157	-
	HRP045	T	P	6	120U1033	120U0973	-	120U1036	120U0976	-
	HRP047	T	P	6	120U1043	120U0983	-	120U1046	120U0986	-
	HRP048	T	C	8	120U1658	-	-	120U1661	-	-
	HRP048	T	P	6	120U1653	-	-	120U1656	-	-
	HRP051	T	P	6	120U1678	120U2189	120U1793	120U1681	120U2192	120U1796
	HRP054	T	P	6	120U1688	120U2194	-	120U1691	120U2197	-
	HRP058	T	C	8	120U1703	-	-	120U1706	-	-
	HRP058	T	P	6	120U1698	120U1593	-	120U1701	120U1596	-
	HRP060	T	C	8	120U1728	-	-	120U1731	-	-
	HRP060	T	P	6	120U1723	120U1603	-	120U1726	120U1606	-
	HLP068	T	C	6	120U2011	-	-	120U2014	-	-
	HLP068	T	P	6	-	120U1618	-	-	120U1621	-
	HLP072	T	C	6	120U1753	-	-	120U1756	-	-
	HLP072	T	C	8	120U2069	-	-	120U2072	-	-
	HLP072	T	P	6	-	120U1628	-	-	120U1631	-
	HLP075	T	C	6	120U1763	-	-	120U1766	-	-
	HLP075	T	P	6	-	120U1638	-	-	120U1641	-
	HLP078	T	C	6	120U2451	-	-	120U2454	-	-
	HLP081	T	C	6	120U1778	-	-	120U1781	-	-
	HLP081	T	C	8	120U1783	-	-	120U1786	-	-
	HLP081	T	P	6	-	120U1648	-	-	120U1651	-
	HCP094	T	C	6	120U0598	-	-	120U0601	-	-
	HCP094	T	C	7	120U0603	-	-	120U0606	-	-
	HCP094	T	C	8	120U0608	-	-	120U0611	-	-
	HCP109	T	C	6	120U0373	-	-	120U0376	-	-
	HCP109	T	C	7	120U0378	-	-	120U0381	-	-
	HCP109	T	C	8	120U0383	-	-	120U0386	-	-
	HCP120	T	C	6	120U0398	-	-	120U0401	-	-
	HCP120	T	C	7	120U0403	-	-	120U0406	-	-
	HCP120	T	C	8	120U0408	-	-	120U0411	-	-

QUICK REFERENCE
CODE NUMBERS


Model	Model variation	Connections	Features	Industrial pack			Single pack		
				4	5	7	4	5	7
HRM032	T	P	6	-	120U0953	-	-	120U0956	-
HRM032	U	P	6	120U0993	-	-	120U0996	-	-
HRM034	T	P	6	120U2364	120U2119	-	120U2367	120U2122	-
HRM034	U	P	6	120U0998	-	120U2229	120U1001	-	120U2232
HRM038	T	P	6	120U2369	120U2134	-	120U2372	120U2137	-
HRM038	U	P	6	120U1008	120U0963	120U1053	120U1011	120U0966	120U1056
HRM040	T	P	6	120U2374	120U2139	-	120U2377	120U2142	-
HRM040	U	P	6	120U1018	120U2144	120U1058	120U1021	120U2147	120U1061
HRM042	T	P	6	120U2124	120U2149	-	120U2127	120U2152	-
HRM042	U	P	6	120U1028	120U0968	120U1063	120U1031	120U0971	120U1066
HRM045	U	P	6	120U1038	120U0978	120U1068	120U1041	120U0981	120U1071
HRM047	T	P	6	120U2129	120U2159	-	120U2132	120U2162	-
HRM047	U	P	6	120U1048	120U0988	120U1073	120U1051	120U0991	120U1076
HRM048	U	P	6	120U1663	-	-	120U1666	-	-
HRM051	T	P	6	120U1673	120U2184	-	120U1676	120U2187	-
HRM051	U	P	6	120U1683	120U2249	120U1798	120U1686	120U2252	120U1801
HRM054	U	P	6	120U1693	120U2254	120U1808	120U1696	120U2257	120U1811
HRM058	U	P	6	120U1708	120U1598	120U1818	120U1711	120U1601	120U1821
HRM060	T	P	6	120U1718	-	-	120U1721	-	-
HRM060	U	P	6	120U1733	120U1608	120U1828	120U1736	120U1611	120U1831
HLM068	T	C	6	120U1743	-	120U2595	120U1746	-	120U2598
HLM068	T	P	6	-	120U1613	-	-	120U1616	-
HLM072	T	C	6	120U1748	-	120U2599	120U1751	-	120U2602
HLM072	T	C	8	120U2064	-	-	120U2067	-	-
HLM072	T	P	6	-	120U1623	-	-	120U1626	-
HLM075	T	C	6	120U1758	-	120U1833	120U1761	-	120U1836
HLM075	T	P	6	-	120U1633	-	-	120U1636	-
HLM078	T	C	6	120U1768	-	-	120U1771	-	-
HLM081	T	C	6	120U1773	-	-	120U1776	-	-
HLM081	T	C	8	120U2006	-	-	120U2009	-	-
HLM081	T	P	6	-	120U1643	-	-	120U1646	-
HCM094	T	C	6	120U0578	-	120U0708	120U0581	-	120U0711
HCM094	T	C	7	120U0583	-	-	120U0586	-	-
HCM094	T	C	8	120U0593	-	120U0718	120U0596	-	120U0721
HCM109	T	C	6	120U0363	-	-	120U0366	-	-
HCM109	T	C	7	120U0368	-	-	120U0371	-	-
HCM109	T	C	8	120U1921	-	-	120U1924	-	-
HCM120	T	C	6	120U0388	-	-	120U0391	-	-
HCM120	T	C	7	120U0393	-	-	120U0396	-	-
HCM120	T	C	8	120U2204	-	-	120U2207	-	-

FURTHER REFERENCE


For more exhaustive information on Performer scroll compressors H series, please refer to the following documents:

- Online Datasheet Generator: www.danfoss.com/odsg, a tool providing user-friendly access to full technical data, performance data and outline drawings for each individual compressor.
- Selection and Application Guidelines for Residential and Light commercial scroll compressors, literature reference FRCC.PC.012.

Above document and datasheet generator are available on the Danfoss Commercial Compressors internet website: <http://cc.danfoss.com>



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