



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB13-0008

August 6, 2013

Page 1 of 2

Subject: Serenity Line Set and Condenser Application

All KMS Serenity Series

- **The maximum line set length is 66 feet.** No refrigerant charge adjustment is necessary.
- The maximum vertical distance between the remote condensing unit and icemaker is 33 feet above or 10 feet below the icemaker. These distances are measured fitting to fitting.
- If the vertical distance between the remote condensing unit and the icemaker is greater than 20 feet (not to exceed 33 feet), an "S" oil-trap (5/8" OD tubing) must be installed in the suction line. The "S" oil-trap must be located halfway between the icemaker and remote condensing unit. This ensures sufficient oil return to the compressor.
- **KMS-822, KMS-830 and KMS-2000 are brazed line set connections.**

All Flaker Serenity Series

- **The maximum line set length is 55' (17 m).** No refrigerant charge adjustment is necessary.
- The maximum vertical distance between the remote condensing unit and icemaker is 33' (10 m) above or 10' (3 m) below the icemaker. These distances are measured fitting to fitting.
- If the vertical distance between the remote condensing unit and the icemaker is greater than 20' (6 m) (not to exceed 33' (10 m)), an "S" oil-trap (5/8" OD copper tubing) must be installed in the suction line. The "S" oil-trap must be located halfway between the icemaker and remote condensing unit. This ensures sufficient oil return to the compressor.

LINE SET APPLICATION CHART

Model number	Condenser Model	Factory Line Set	Liquid line size "OD=16 th's	Suction line size "OD=16 th's
KMS-750MLH	SRK-7H	R404-20810 R404-35810 R404-55810	8/16 = 1/2"	10/16" = 5/8"
KMS-830MLH	SRK-8H (3)	HS-0250 HS-0251 HS-0252	1/2" Brazing Required	5/8" Brazing Required
FS-1001MLH FS-1022MLH	SRC-10H	R404-20410 R404-35410 R404-55410	4/16" = 1/4"	10/16" = 5/8"
KMS-822MLH	SRK-10H	HS-0250 HS-0251 HS-0252	1/2" Brazing Required	5/8" Brazing Required
KMS-1122MLH	SRK-12H (3)	R404-20810 R404-35810 R404-55810	8/16 = 1/2"	10/16" = 5/8"
KMS-1230MLH	SRK-13H	R404-20810 R404-35810 R404-55810	8/16 = 1/2"	10/16" = 5/8"
KMS-1401MLH	SRK-14H	R404-20810 R404-35810 R404-55810	8/16 = 1/2"	10/16" = 5/8"
FS-1500MLH	SRC-14H	R404-20610 R404-35610 R404-55610	6/16" = 3/8"	10/16" = 5/8"
KMS-1401MLJ	SRK-14J (3)	R404-20810 R404-35810 R404-55810	8/16 = 1/2"	10/16" = 5/8"
KMS-2000MLH	SRK-20H (3)	HS-0243 HS-0244 HS-0245	1/2" Brazing Required	3/4" Brazing Required

For more detailed specifications please see the individual installation manual for each model

If you have any questions regarding this information please contact the Technical Support department at: 1-800-233-1940.