

MANKO 3141xpt SERIES 4" ARCHITECTURAL GRADE VERTICAL SLIDING, SINGLE HUNG (SH) and FIXED WINDOW SYSTEM: THERMAL PERFORMANCE CAPABILITIES

Whole Window U-Value (BTU/HxFT ²)		
COG U-Value	Whole Window U-Value Per NFRC-100*	
	Fixed	Single Hung
0.41	0.45	0.47
0.38	0.42	0.45
0.35	0.40	0.42
0.32	0.37	0.40
0.29	0.35	0.38
0.26	0.32	0.36
0.23	0.30	0.34
0.20	0.27	0.32

All values shown are calculated with Manko standard Tri-Seal insulated units

Whole Window Solar Heat Gain Coefficient		
COG SHGC	Whole Window SHGC Per NFRC-200*	
	Fixed	Single Hung
0.80	0.64	0.62
0.75	0.60	0.58
0.70	0.56	0.54
0.65	0.52	0.50
0.60	0.48	0.46
0.55	0.44	0.43
0.50	0.40	0.39
0.45	0.36	0.35
0.40	0.32	0.31
0.35	0.28	0.27
0.30	0.24	0.23
0.25	0.21	0.20
0.20	0.17	0.16
0.15	0.13	0.12
0.10	0.09	0.08
0.05	0.05	0.04

All values shown are calculated with Manko standard Tri-Seal insulated units

Whole Window Visible Light Transmittance		
COG Vt	Whole Window Vt Per NFRC-200 ¹	
	Fixed	Single Hung
0.80	0.60	0.58
0.70	0.52	0.51
0.60	0.45	0.44
0.50	0.37	0.36
0.40	0.30	0.29
0.30	0.23	0.22
0.20	0.15	0.15
0.10	0.07	0.07

All values shown are calculated with Manko standard Tri-Seal insulated units

* U-values and SHGC have been calculated using Manko standard insulated glass unit construction with Tri-Seal airspace and standard sealants. Substitution of different airspace and/or sealants will effect values.

All values listed have been calculated using standard NFRC-100 and NFRC-200 procedures. Some values listed have been extrapolated for clarity and ease of presentation.

All values listed have been calculated at standard NFRC Gateway Sizes.

Manko Window Systems Inc.
800 Hayes Drive
Manhattan, KS.
66502
PH: (800) 642 1488
FX: (800) 576 2656



Manko – Aurora, CO.
17500 E. 22nd Avenue
Aurora, CO. 80011
PH: (888) 642 1488
FAX: (303) 375 0669

Manko– Des Moines, IA.
3001 McKinley Avenue
Des Moines, IA. 50321
PH: (515) 288 7427
FAX: (515) 288 6968

MANKO
WINDOW SYSTEMS, INC.