

PURON SYSTEMS EXTENDED RATINGS, SIZES 28-60

Extended rating tables of outdoor units 38GL/YL, connected to indoor units GLOBAL CASSETTE, in international system units.

Extended rating tables of outdoor units 38GL/YL, connected to others indoor units see Eurovent data and multiply capacities and power input values with correction factors in tables 1÷12.

- Cooling and heating capacity referred to a system with 7.5 m length connecting piping and indoor units working at high velocity
- Cooling and heating capacity correction factor due to different piping length or indoor fan velocity is showed in TABLE 1 and 2.

It's possible to interpolate the published values

It's not possible to extrapolate them.

- The Total Sensible Capacity SHC is calculated with air entering on the evaporator at 27°C db, following ISO 5151. If the indoor temperature is different, modify SHC as reported in TABLE 3.
- The Cooling and Heating capacity showed include heating effect, due to indoor unit fan motor.

TABLE 1. : COOLING AND HEATING CAPACITY CORRECTION FACTOR DUE TO PIPING LENGTH

Size	3 m	7.5 m	10 m	15 m	20 m	30 m	40 m	50 m
28	1.03	1	0.99	0.96	0.95	0.92	0.88	--
36	1.03	1	0.98	0.96	0.94	0.92	0.89	0.86
48	1.04	1	0.98	0.97	0.94	0.9	0.88	0.86
60	1.04	1	0.98	0.96	0.95	0.91	0.89	0.87

TABLE 2.: CAPACITY CORRECTION FACTOR DUE TO INDOOR UNIT FAN VELOCITY

Cooling

Model	Velocity	Capacity	Sensible Capacity	Power Input
28	Hi	1	1	1
	Me	0.97	0.92	0.99
	Lo	0.95	0.9	0.98
36	Hi	1	1	1
	Me	0.98	0.93	0.98
	Lo	0.95	0.91	0.98
48	Hi	1	1	1
	Me	0.98	0.93	0.98
	Lo	0.94	0.9	0.97
60	Hi	1	1	1
	Me	0.97	0.92	0.98
	Lo	0.93	0.9	0.97

TABLE 3.:
TOTAL SENSIBLE CAPACITY CORRECTION FACTOR (SHC)

BYPASS FACTOR BF	DRY BULB TEMPERATURE FOR AIR ENTERING IN THE EVAPORATOR (°C)														
	21	24	24,5	25	25,5	26	26,5	27	27,5	28	28,5	29	29,5	30	32
	CORRECTION FACTOR (CF)														
0,1	6.78	3.36	2.79	2.23	1.67	1.11	0.55	0	0.56	1.11	1.67	2.22	2.76	3.3	5.37
0,2	6.23	3.09	2.57	2.06	1.54	1.02	0.51	0	0.51	1.02	1.53	2.04	2.55	3.05	4.98
0,3	4.68	2.76	2.3	1.84	1.38	0.92	0.46	0	0.46	0.91	1.36	1.8	2.23	2.65	4.43

SHC is calculated with air entering on the evaporator at 27°C db; if the indoor temperature is different, modify SHC as following:

BELOW 27°C: SHC modify = SHC - (CF*L/S)/1000

ABOVE 27°C: SHC modify = SHC + (CF*L/S)/1000

IT'S POSSIBLE TO INTERPOLATE

IT'S NOT POSSIBLE TO EXTRAPOLATE THEM

38GL28G + 42GKX28 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	8.33	8.92	9.51	10.30	11.08
	SHC	7.95	7.26	6.55	5.80	5.04
	kW	1.88	1.90	1.92	1.96	2.00
20	TC	8.13	8.66	9.20	9.96	10.74
	SHC	7.75	7.08	6.43	5.67	4.91
	kW	2.07	2.10	2.12	2.15	2.19
25	TC	7.91	8.40	8.90	9.64	10.39
	SHC	7.54	6.92	6.30	5.54	4.78
	kW	2.26	2.29	2.31	2.34	2.39
30	TC	7.69	8.14	8.58	9.31	10.03
	SHC	7.33	6.75	6.17	5.41	4.66
	kW	0.11	2.47	2.50	2.54	2.58
35	TC	7.47	7.88	8.28	8.98	9.68
	SHC	7.13	6.58	6.04	5.29	4.53
	kW	2.65	2.67	2.69	2.73	2.78
40	TC	7.28	7.64	8.01	8.69	9.38
	SHC	6.94	6.44	5.94	5.18	4.43
	kW	2.84	2.86	2.88	2.93	2.97
43	TC	7.07	7.41	7.74	8.40	9.07
	SHC	6.76	6.29	5.83	5.07	4.32
	kW	3.02	3.06	3.08	3.12	3.17

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

38YL28G + 42GKX28 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	7.91	8.47	9.03	9.78	10.52
	SHC	7.55	6.89	6.22	5.50	4.78
	kW	2.03	2.05	2.07	2.12	2.15
20	TC	7.71	8.23	8.73	9.46	10.19
	SHC	7.36	6.73	6.11	5.38	4.66
	kW	2.23	2.26	2.28	2.33	2.36
25	TC	7.50	7.98	8.44	9.15	9.85
	SHC	7.16	6.57	5.99	5.27	4.54
	kW	2.44	2.46	2.49	2.53	2.57
30	TC	7.30	7.73	8.15	8.84	9.52
	SHC	6.97	6.41	5.86	5.15	4.43
	kW	0.09	2.67	2.69	2.73	2.78
35	TC	7.08	7.47	7.86	8.53	9.20
	SHC	6.77	6.26	5.74	5.02	4.31
	kW	2.86	2.88	2.90	2.94	3.00
40	TC	6.90	7.26	7.60	8.25	8.90
	SHC	6.59	6.12	5.64	4.92	4.21
	kW	3.07	3.09	3.11	3.15	3.20
43	TC	6.72	7.03	7.34	7.98	8.61
	SHC	6.42	5.98	5.54	4.82	4.10
	kW	3.26	3.29	3.32	3.36	3.41

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

38YL28G + 42GKX28 Heating mode 7.5 m piping connection

IDT °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)								
		-15	-10	-7	-2	2	7	10	15	20
15	TH	4.29	5.16	5.67	6.55	7.24	8.15	8.65	9.53	10.38
	THI	3.94	4.89	5.46	6.40	7.17	8.15	8.65	9.53	10.38
	KW	1.82	1.92	1.98	2.08	2.16	2.26	2.31	2.42	2.55
20	TH	4.24	5.11	5.62	6.49	7.17	8.03	8.56	9.44	10.33
	THI	3.90	4.84	5.40	6.34	7.09	8.03	8.56	9.44	10.33
	KW	2.00	2.10	2.17	2.28	2.37	2.47	2.54	2.66	2.77
25	TH	4.19	5.05	5.56	6.41	7.09	7.92	8.47	9.35	10.27
	THI	3.85	4.79	5.34	6.28	7.02	7.92	8.47	9.35	10.27
	KW	2.19	2.31	2.38	2.50	2.59	2.70	2.79	2.93	3.05

TH - TOTAL HEATING CAPACITY KW
 THI - INTEGRATED HEATING CAPACITY KW
 KW - TOTAL POWER

38GL36G + 42GKX36 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	9.06	9.70	10.34	11.20	12.05
	SHC	8.52	7.77	7.02	6.21	5.39
	kW	2.16	2.19	2.22	2.25	2.30
20	TC	8.83	9.42	10.01	10.84	11.67
	SHC	8.30	7.59	6.89	6.07	5.26
	kW	2.39	2.41	2.43	2.48	2.53
25	TC	8.60	9.13	9.67	10.48	11.29
	SHC	8.08	7.41	6.75	5.94	5.13
	kW	2.60	2.64	2.66	2.71	2.75
30	TC	8.36	8.85	9.34	10.12	10.91
	SHC	7.85	7.23	6.61	5.80	4.99
	kW	0.13	2.85	2.87	2.93	2.98
35	TC	8.12	8.56	9.00	9.76	10.52
	SHC	7.64	7.05	6.47	5.67	4.86
	kW	3.05	3.08	3.10	3.15	3.20
40	TC	7.91	8.30	8.70	9.45	10.19
	SHC	7.43	6.90	6.36	5.56	4.75
	kW	3.27	3.30	3.33	3.37	3.43
43	TC	7.70	8.05	8.40	9.13	9.86
	SHC	7.24	6.75	6.24	5.44	4.63
	kW	3.49	3.52	3.55	3.60	3.64

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

38YL36G + 42GKX36 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	8.79	9.42	10.04	10.87	11.69
	SHC	8.28	7.55	6.82	6.03	5.24
	kW	2.26	2.29	2.32	2.37	2.40
20	TC	8.58	9.14	9.71	10.52	11.33
	SHC	8.07	7.38	6.69	5.90	5.11
	kW	2.49	2.52	2.55	2.59	2.64
25	TC	8.35	8.87	9.39	10.18	10.96
	SHC	7.85	7.20	6.56	5.78	4.99
	kW	2.72	2.75	2.78	2.83	2.87
30	TC	8.11	8.60	9.07	9.83	0.45
	SHC	7.63	7.03	6.42	5.64	4.85
	kW	2.96	2.98	3.01	3.06	3.11
35	TC	7.89	8.31	8.74	9.48	10.22
	SHC	7.43	6.86	6.29	5.51	4.72
	kW	3.20	3.22	3.24	3.29	3.35
40	TC	7.68	8.06	8.45	9.17	9.90
	SHC	7.23	6.71	6.19	5.40	4.62
	kW	3.42	3.45	3.48	3.52	3.57
43	TC	7.47	7.82	8.17	8.86	9.57
	SHC	7.04	6.56	6.07	5.28	4.50
	kW	3.65	3.67	3.70	3.76	3.81

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

38YL36G + 42GKX36 Heating mode 7.5 m piping connection

		WET BULB AIR TEMP. ENTERING ID COIL (°C)								
		-15	-10	-7	-2	2	7	10	15	20
15	TH	4.78	5.73	6.32	7.28	8.06	9.08	9.63	10.62	11.56
	THI	4.39	5.44	6.07	7.13	7.97	9.08	9.63	10.62	11.56
	KW	2.04	2.15	2.22	2.33	2.41	2.53	2.59	2.72	2.85
20	TH	4.72	5.68	6.26	7.22	7.98	8.94	9.53	10.51	11.49
	THI	4.34	5.39	6.01	7.05	7.89	8.94	9.53	10.51	11.49
	KW	2.24	2.36	2.44	2.55	2.64	2.77	2.85	2.98	3.11
25	TH	4.67	5.63	6.19	7.14	7.90	8.81	9.43	10.41	11.44
	THI	4.30	5.33	5.95	6.99	7.82	8.81	9.43	10.41	11.44
	KW	2.46	2.58	2.67	2.80	2.91	3.02	3.14	3.28	3.42

TH - TOTAL HEATING CAPACITY KW
 THI - INTEGRATED HEATING CAPACITY KW
 KW - TOTAL POWER

38GL48G + 42GKX48 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	10.97	11.75	12.52	13.55	14.59
	SHC	10.61	9.69	8.75	7.74	6.72
	kW	2.30	2.34	2.36	2.40	2.45
20	TC	10.69	11.41	12.11	13.12	14.13
	SHC	10.34	9.45	8.58	7.57	6.55
	kW	2.54	2.57	2.60	2.64	2.69
25	TC	10.41	11.06	11.71	12.69	13.67
	SHC	10.06	9.23	8.41	7.40	6.38
	kW	2.77	2.81	2.83	2.88	2.92
30	TC	10.12	10.71	11.30	12.26	13.20
	SHC	9.78	9.01	8.24	7.23	6.22
	kW	0.14	3.04	3.07	3.11	3.16
35	TC	9.83	10.36	10.90	11.82	12.75
	SHC	9.52	8.79	8.07	7.06	6.05
	kW	3.25	3.27	3.30	3.35	3.41
40	TC	9.58	10.06	10.54	11.44	12.35
	SHC	9.27	8.60	7.93	6.92	5.91
	kW	3.49	3.51	3.54	3.59	3.64
43	TC	9.32	9.75	10.18	11.06	11.94
	SHC	9.02	8.40	7.78	6.78	5.77
	kW	3.72	3.74	3.78	3.83	3.88

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

38YL48G + 42GKX48 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	10.99	11.77	12.54	13.58	14.62
	SHC	10.64	9.69	8.76	7.75	6.74
	kW	2.31	2.34	2.37	2.41	2.45
20	TC	10.71	11.42	12.14	13.15	14.16
	SHC	10.36	9.47	8.59	7.58	6.56
	kW	2.55	2.58	2.61	2.65	2.69
25	TC	10.43	11.08	11.73	12.71	13.69
	SHC	10.08	9.25	8.43	7.41	6.39
	kW	2.78	2.81	2.84	2.89	2.93
30	TC	10.15	10.73	11.33	12.28	0.56
	SHC	9.80	9.02	8.25	7.24	6.22
	kW	3.02	3.05	3.08	3.13	3.17
35	TC	9.85	10.39	10.92	11.84	12.77
	SHC	9.53	8.81	8.08	7.07	6.06
	kW	3.26	3.29	3.31	3.37	3.42
40	TC	9.59	10.08	10.56	11.46	12.37
	SHC	9.28	8.61	7.94	6.93	5.92
	kW	3.49	3.52	3.55	3.60	3.66
43	TC	9.33	9.76	10.20	11.08	11.97
	SHC	9.03	8.42	7.80	6.79	5.78
	kW	3.72	3.75	3.78	3.84	3.89

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

38YL48G + 42GKX48 Heating mode 7.5 m piping connection

		WET BULB AIR TEMP. ENTERING ID COIL (°C)								
		-15	-10	-7	-2	2	7	10	15	20
15	TH	5.80	6.98	7.69	8.86	9.80	11.04	11.70	12.91	14.05
	THI	5.34	6.61	7.38	8.67	9.70	11.04	11.70	12.91	14.05
	KW	2.40	2.53	2.61	2.74	2.85	2.98	3.05	3.20	3.36
20	TH	5.74	6.91	7.61	8.77	9.70	10.87	11.59	12.78	13.97
	THI	5.28	6.55	7.31	8.58	9.60	10.87	11.59	12.78	13.97
	KW	2.63	2.77	2.86	3.01	3.12	3.26	3.36	3.51	3.67
25	TH	5.67	6.84	7.53	8.69	9.61	1.07	11.47	12.66	13.90
	THI	5.22	6.48	7.24	8.49	9.50	10.71	11.47	12.66	13.90
	KW	2.88	3.04	3.14	3.29	3.42	3.56	3.69	3.86	4.02

TH - TOTAL HEATING CAPACITY

KW

THI - INTEGRATED HEATING CAPACITY

KW

KW - TOTAL POWER

38GL60G + 42GKX60 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	13.69	14.65	15.63	16.91	18.21
	SHC	13.06	11.91	10.77	9.52	8.27
	kW	3.20	3.24	3.27	3.34	3.40
20	TC	13.34	14.23	15.12	16.37	17.63
	SHC	12.71	11.64	10.56	9.31	8.07
	kW	3.52	3.57	3.61	3.66	3.73
25	TC	12.99	13.80	14.61	15.84	17.05
	SHC	12.38	11.36	10.35	9.10	7.86
	kW	3.85	3.89	3.93	3.99	4.06
30	TC	12.63	13.37	14.11	15.29	16.48
	SHC	12.04	11.08	10.13	8.89	7.65
	kW	0.19	4.22	4.26	4.32	4.39
35	TC	12.26	12.93	13.60	14.75	15.90
	SHC	11.71	10.81	9.92	8.69	7.45
	kW	4.51	4.55	4.58	4.66	4.73
40	TC	11.95	12.55	13.15	14.28	15.40
	SHC	11.40	10.58	9.75	8.51	7.27
	kW	4.84	4.87	4.91	4.99	5.06
43	TC	11.63	12.16	15.74	13.80	14.90
	SHC	11.09	10.34	9.58	8.34	7.10
	kW	5.16	5.20	5.24	5.31	5.38

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

38YL60G + 42GKX60 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	13.76	14.74	15.72	17.01	18.31
	SHC	13.14	11.98	10.83	9.57	8.32
	kW	3.40	3.45	3.50	3.55	3.61
20	TC	13.42	14.31	15.21	16.47	17.73
	SHC	12.79	11.70	10.62	9.37	8.11
	kW	3.75	3.80	3.84	3.91	3.97
25	TC	13.07	13.88	14.70	15.92	17.15
	SHC	12.45	11.43	10.41	9.16	7.90
	kW	4.11	4.15	4.19	4.26	4.32
30	TC	12.70	13.45	14.19	15.38	16.58
	SHC	12.11	11.15	10.20	8.94	7.70
	kW	4.46	4.49	4.53	4.61	4.68
35	TC	12.34	13.00	13.68	14.83	16.00
	SHC	0.50	10.88	9.98	8.73	7.49
	kW	4.81	4.85	4.88	4.96	5.04
40	TC	12.02	12.62	13.22	14.36	15.49
	SHC	11.47	10.64	9.81	8.57	7.32
	kW	5.15	5.19	5.24	5.31	5.39
43	TC	11.70	12.24	12.78	13.88	14.99
	SHC	11.16	10.40	9.64	8.39	7.14
	kW	5.50	5.54	5.58	5.67	5.74

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

38YL60G + 42GKX60 Heating mode 7.5 m piping connection

		WET BULB AIR TEMP. ENTERING ID COIL (°C)								
		-15	-10	-7	-2	2	7	10	15	20
15	TH	7.07	8.50	9.36	10.79	11.94	13.44	14.25	15.72	17.12
	THI	6.50	8.06	8.99	10.56	11.81	13.44	14.25	15.72	17.12
	KW	3.18	3.36	3.46	3.63	3.77	3.95	4.05	4.23	4.45
20	TH	7.00	8.41	9.26	10.68	11.82	13.24	14.12	15.57	17.02
	THI	6.43	7.97	8.91	10.45	11.70	13.24	14.12	15.57	17.02
	KW	3.49	3.68	3.79	3.98	4.13	4.32	4.45	4.65	4.86
25	TH	6.91	8.33	9.18	10.58	11.71	13.05	13.97	15.41	16.94
	THI	6.36	7.89	8.81	10.34	11.57	13.05	13.97	15.41	16.94
	KW	3.82	4.04	4.15	4.36	4.53	4.71	4.89	5.12	5.33

TH - TOTAL HEATING CAPACITY KW
 THI - INTEGRATED HEATING CAPACITY KW
 KW - TOTAL POWER

TABLE 1

Correction factors
 38GL28G 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	1.01	1.08	1.15	1.24	1.34
	SHC	1.32	1.20	1.08	0.96	0.83
	kW	0.70	0.71	0.71	0.73	0.74
20	TC	0.98	1.05	1.11	1.20	1.30
	SHC	1.28	1.17	1.06	0.94	0.81
	kW	0.77	0.78	0.79	0.80	0.82
25	TC	0.96	1.01	1.07	1.16	1.25
	SHC	1.25	1.15	1.04	0.92	0.79
	kW	0.84	0.85	0.86	0.87	0.89
30	TC	0.93	0.98	1.04	1.12	1.21
	SHC	1.21	1.12	1.02	0.90	0.77
	kW	0.04	0.92	0.93	0.94	0.96
35	TC	0.90	0.95	1.00	1.08	1.17
	SHC	1.18	1.09	1.00	0.88	0.75
	kW	0.98	0.99	1.00	1.02	1.03
40	TC	0.88	0.92	0.97	1.05	1.13
	SHC	1.15	1.07	0.98	0.86	0.73
	kW	1.06	1.06	1.07	1.09	1.10
43	TC	0.85	0.90	0.93	1.01	1.10
	SHC	1.12	1.04	0.97	0.84	0.72
	kW	1.12	1.14	1.14	1.16	1.18

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

TABLE 2

Correction factors
 38YL28G 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	1.01	1.08	1.15	1.24	1.34
	SHC	1.32	1.20	1.08	0.96	0.83
	kW	0.70	0.71	0.71	0.73	0.74
20	TC	0.98	1.05	1.11	1.20	1.30
	SHC	1.28	1.17	1.06	0.94	0.81
	kW	0.77	0.78	0.79	0.80	0.81
25	TC	0.95	1.02	1.07	1.16	1.25
	SHC	1.25	1.14	1.04	0.92	0.79
	kW	0.84	0.85	0.86	0.87	0.89
30	TC	0.93	0.98	1.04	1.12	1.21
	SHC	1.21	1.12	1.02	0.90	0.77
	kW	0.93	0.92	0.93	0.94	0.96
35	TC	0.90	0.95	1.00	1.08	1.17
	SHC	1.18	1.09	1.00	0.87	0.75
	kW	0.98	0.99	1.00	1.02	1.03
40	TC	0.88	0.92	0.97	1.05	1.13
	SHC	1.15	1.07	0.98	0.86	0.73
	kW	1.06	1.06	1.07	1.09	1.10
43	TC	0.85	0.89	0.93	1.02	1.10
	SHC	1.12	1.04	0.96	0.84	0.71
	kW	1.13	1.13	1.14	1.16	1.17

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

TABLE 3

Correction factors
 38YL28G Heating mode 7.5 m piping connection

IDT °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)								
		-15	-10	-7	-2	2	7	10	15	20
15	TH	0.53	0.64	0.71	0.82	0.90	1.02	1.08	1.19	1.29
	THI	0.49	0.61	0.68	0.80	0.89	1.02	1.08	1.19	1.29
	KW	0.74	0.78	0.80	0.84	0.87	0.92	0.93	0.98	1.03
20	TH	0.53	0.64	0.70	0.81	0.89	1.00	1.07	1.18	1.29
	THI	0.49	0.60	0.67	0.79	0.88	1.00	1.07	1.18	1.29
	KW	0.81	0.85	0.88	0.92	0.96	1.00	1.03	1.08	1.12
25	TH	0.52	0.63	0.69	0.80	0.88	0.99	1.06	1.16	1.28
	THI	0.48	0.60	0.67	0.78	0.87	0.99	1.06	1.16	1.28
	KW	0.88	0.93	0.96	1.01	1.05	1.09	1.13	1.18	1.23

TH - TOTAL HEATING CAPACITY KW
 THI - INTEGRATED HEATING CAPACITY KW
 KW - TOTAL POWER

TABLE 4

Correction factors
 38GL36G 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	1.01	1.08	1.15	1.24	1.34
	SHC	1.32	1.20	1.09	0.96	0.83
	kW	0.70	0.71	0.72	0.73	0.74
20	TC	0.98	1.05	1.11	1.20	1.30
	SHC	1.28	1.17	1.06	0.94	0.81
	kW	0.77	0.78	0.79	0.80	0.81
25	TC	0.96	1.01	1.07	1.16	1.25
	SHC	1.25	1.15	1.04	0.92	0.79
	kW	0.84	0.85	0.86	0.87	0.89
30	TC	0.93	0.98	1.04	1.12	1.21
	SHC	1.21	1.12	1.02	0.90	0.77
	kW	0.04	0.92	0.93	0.95	0.96
35	TC	0.90	0.95	1.00	1.08	1.17
	SHC	1.18	1.09	1.00	0.88	0.75
	kW	0.99	0.99	1.00	1.01	1.03
40	TC	0.88	0.92	0.97	1.05	1.13
	SHC	1.15	1.07	0.98	0.86	0.73
	kW	1.05	1.07	1.07	1.09	1.11
43	TC	0.86	0.89	0.93	1.01	1.10
	SHC	1.12	1.04	0.97	0.84	0.72
	kW	1.13	1.13	1.15	1.16	1.17

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

TABLE 5

Correction factors
 38YL36G 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	1.01	1.08	1.15	1.24	1.34
	SHC	1.32	1.20	1.08	0.96	0.83
	kW	0.70	0.71	0.72	0.73	0.74
20	TC	0.98	1.05	1.11	1.20	1.30
	SHC	1.28	1.17	1.06	0.94	0.81
	kW	0.77	0.78	0.79	0.80	0.81
25	TC	0.96	1.02	1.07	1.16	1.25
	SHC	1.25	1.15	1.04	0.92	0.79
	kW	0.84	0.85	0.86	0.87	0.89
30	TC	0.93	0.98	1.04	1.12	0.05
	SHC	1.21	1.12	1.02	0.90	0.77
	kW	0.91	0.92	0.93	0.94	0.96
35	TC	0.90	0.95	1.00	1.08	1.17
	SHC	1.18	1.09	1.00	0.88	0.75
	kW	0.99	0.99	1.00	1.02	1.03
40	TC	0.88	0.92	0.97	1.05	1.13
	SHC	1.15	1.07	0.98	0.86	0.73
	kW	1.06	1.06	1.07	1.09	1.10
43	TC	0.85	0.89	0.93	1.01	1.10
	SHC	1.12	1.04	0.97	0.84	0.72
	kW	1.13	1.13	1.14	1.16	1.18

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

TABLE 6

Correction factors

38YL36G Heating mode 7.5 m piping connection

IDT °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)								
		-15	-10	-7	-2	2	7	10	15	20
15	TH	0.53	0.64	0.71	0.81	0.90	1.02	1.08	1.19	1.29
	THI	0.49	0.61	0.68	0.80	0.89	1.02	1.08	1.19	1.29
	KW	0.74	0.78	0.80	0.84	0.87	0.91	0.94	0.98	1.03
20	TH	0.53	0.64	0.70	0.81	0.89	1.00	1.07	1.18	1.29
	THI	0.49	0.60	0.67	0.79	0.88	1.00	1.07	1.18	1.29
	KW	0.81	0.85	0.88	0.92	0.95	1.00	1.03	1.08	1.12
25	TH	0.52	0.63	0.69	0.80	0.88	0.99	1.05	1.16	1.28
	THI	0.48	0.60	0.67	0.78	0.87	0.99	1.05	1.16	1.28
	KW	0.89	0.93	0.96	1.01	1.05	1.09	1.13	1.18	1.23

TH - TOTAL HEATING CAPACITY

KW

THI - INTEGRATED HEATING CAPACITY

KW

KW - TOTAL POWER

TABLE 7

Correction factors
 38GL48G 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	1.01	1.08	1.15	1.24	1.34
	SHC	1.32	1.20	1.08	0.96	0.83
	kW	0.70	0.71	0.72	0.73	0.74
20	TC	0.98	1.05	1.11	1.20	1.30
	SHC	1.28	1.17	1.06	0.94	0.81
	kW	0.77	0.78	0.79	0.80	0.81
25	TC	0.95	1.01	1.07	1.16	1.25
	SHC	1.25	1.14	1.04	0.92	0.79
	kW	0.84	0.85	0.86	0.87	0.89
30	TC	0.93	0.98	1.04	1.12	1.21
	SHC	1.21	1.12	1.02	0.90	0.77
	kW	0.84	0.92	0.93	0.94	0.96
35	TC	0.90	0.95	1.00	1.08	1.17
	SHC	1.18	1.09	1.00	0.88	0.75
	kW	0.98	0.99	1.00	1.02	1.03
40	TC	0.88	0.92	0.97	1.05	1.13
	SHC	1.15	1.07	0.98	0.86	0.73
	kW	1.06	1.06	1.07	1.09	1.10
43	TC	0.86	0.89	0.93	1.01	1.10
	SHC	1.12	1.04	0.96	0.84	0.71
	kW	1.13	1.13	1.14	1.16	1.18

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

TABLE 8

Correction factors
 38YL48G 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	1.01	1.08	1.15	1.24	1.34
	SHC	1.32	1.20	1.08	0.96	0.83
	kW	0.70	0.71	0.72	0.73	0.74
20	TC	0.98	1.05	1.11	1.20	1.30
	SHC	1.28	1.17	1.06	0.94	0.81
	kW	0.77	0.78	0.79	0.80	0.81
25	TC	0.96	1.01	1.07	1.16	1.25
	SHC	1.25	1.14	1.04	0.92	0.79
	kW	0.84	0.85	0.86	0.87	0.89
30	TC	0.93	0.98	1.04	1.12	0.05
	SHC	1.21	1.12	1.02	0.90	0.77
	kW	0.91	0.92	0.93	0.94	0.96
35	TC	0.90	0.95	1.00	1.08	1.17
	SHC	1.18	1.09	1.00	0.88	0.75
	kW	0.99	0.99	1.00	1.02	1.03
40	TC	0.88	0.92	0.97	1.05	1.13
	SHC	1.15	1.07	0.98	0.86	0.73
	kW	1.06	1.06	1.07	1.09	1.10
43	TC	0.85	0.89	0.93	1.01	1.10
	SHC	1.12	1.04	0.97	0.84	0.71
	kW	1.13	1.13	1.14	1.16	1.17

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

TABLE 9

Correction factors
 38YL48G Heating mode 7.5 m piping connection

IDT °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)								
		-15	-10	-7	-2	2	7	10	15	20
15	TH	0.53	0.64	0.71	0.82	0.90	1.02	1.08	1.19	1.29
	THI	0.49	0.61	0.68	0.80	0.89	1.02	1.08	1.19	1.29
	KW	0.74	0.78	0.80	0.84	0.87	0.91	0.94	0.98	1.03
20	TH	0.53	0.64	0.70	0.81	0.89	1.00	1.07	1.18	1.29
	THI	0.49	0.60	0.67	0.79	0.88	1.00	1.07	1.18	1.29
	KW	0.81	0.85	0.88	0.92	0.96	1.00	1.03	1.08	1.13
25	TH	0.52	0.63	0.69	0.80	0.88	0.10	1.06	1.16	1.28
	THI	0.48	0.60	0.67	0.78	0.87	0.99	1.06	1.16	1.28
	KW	0.88	0.93	0.96	1.01	1.05	1.09	1.13	1.18	1.23

TH - TOTAL HEATING CAPACITY KW
 THI - INTEGRATED HEATING CAPACITY KW
 KW - TOTAL POWER

TABLE 10

Correction factors
 38GL60G 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	1.01	1.08	1.15	1.24	1.34
	SHC	1.32	1.20	1.09	0.96	0.83
	kW	0.70	0.71	0.71	0.73	0.74
20	TC	0.98	1.05	1.11	1.20	1.30
	SHC	1.28	1.17	1.06	0.94	0.81
	kW	0.77	0.78	0.79	0.80	0.81
25	TC	0.96	1.01	1.07	1.16	1.25
	SHC	1.25	1.14	1.04	0.92	0.79
	kW	0.84	0.85	0.86	0.87	0.89
30	TC	0.93	0.98	1.04	1.12	1.21
	SHC	1.21	1.12	1.02	0.90	0.77
	kW	0.04	0.92	0.93	0.94	0.96
35	TC	0.90	0.95	1.00	1.08	1.17
	SHC	1.18	1.09	1.00	0.88	0.75
	kW	0.99	0.99	1.00	1.02	1.03
40	TC	0.88	0.92	0.97	1.05	1.13
	SHC	1.15	1.07	0.98	0.86	0.73
	kW	1.06	1.06	1.07	1.09	1.11
43	TC	0.85	0.89	1.16	1.01	1.10
	SHC	1.12	1.04	0.97	0.84	0.72
	kW	1.13	1.13	1.14	1.16	1.18

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

TABLE 11

Correction factors
 38YL60G 7.5 m piping connection

DB OD °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)				
		15	17	19	21	23
15	TC	1.01	1.08	1.15	1.24	1.34
	SHC	1.32	1.20	1.09	0.96	0.83
	kW	0.70	0.71	0.72	0.73	0.74
20	TC	0.98	1.05	1.11	1.20	1.30
	SHC	1.28	1.17	1.06	0.94	0.81
	kW	0.77	0.78	0.79	0.80	0.81
25	TC	0.96	1.01	1.07	1.16	1.25
	SHC	1.25	1.15	1.04	0.92	0.79
	kW	0.84	0.85	0.86	0.87	0.89
30	TC	0.93	0.98	1.04	1.12	1.21
	SHC	1.21	1.12	1.02	0.90	0.77
	kW	0.91	0.92	0.93	0.94	0.96
35	TC	0.90	0.95	1.00	1.08	1.17
	SHC	0.05	1.09	1.00	0.88	0.75
	kW	0.98	0.99	1.00	1.02	1.03
40	TC	0.88	0.92	0.97	1.05	1.13
	SHC	1.15	1.07	0.98	0.86	0.73
	kW	1.06	1.06	1.07	1.09	1.11
43	TC	0.85	0.89	0.93	1.01	1.10
	SHC	1.12	1.04	0.97	0.84	0.72
	kW	1.13	1.14	1.14	1.16	1.18

TC Total cooling Capacity
 SHC Total sensible capacity
 KW Total power
 DB Dry Bulb

TABLE 12

Correction factors
 38YL60G Heating mode 7.5 m piping connection

IDT °C		WET BULB AIR TEMP. ENTERING ID COIL (°C)								
		-15	-10	-7	-2	2	7	10	15	20
15	TH	0.53	0.64	0.71	0.81	0.90	1.02	1.08	1.19	1.29
	THI	0.49	0.61	0.68	0.80	0.89	1.02	1.08	1.19	1.29
	KW	0.74	0.78	0.80	0.84	0.87	0.91	0.94	0.98	1.03
20	TH	0.53	0.64	0.70	0.81	0.89	1.00	1.07	1.18	1.29
	THI	0.49	0.60	0.67	0.79	0.88	1.00	1.07	1.18	1.29
	KW	0.81	0.85	0.88	0.92	0.96	1.00	1.03	1.08	1.13
25	TH	0.52	0.63	0.69	0.80	0.88	0.99	1.06	1.16	1.28
	THI	0.48	0.60	0.67	0.78	0.87	0.99	1.06	1.16	1.28
	KW	0.88	0.93	0.96	1.01	1.05	1.09	1.13	1.18	1.23

TH - TOTAL HEATING CAPACITY KW
 THI - INTEGRATED HEATING CAPACITY KW
 KW - TOTAL POWER