Input data:

Selection mode:	Auto	Total capacity:	130	kW
Need numbers:	1	Capacity bias:	10	%
Power supply:	50	Ambient dry bulb:	35.0	°C
Conditions:	T1	Outlet water temp.:	7.0	°C
Series:	All	Altitude:	0	m
Refrigerant:	R410A	Fouling factor:	0.08600	
Fluid:	Water	Work mode:	Cooling	

Unit Information

Unit Name: ····· MGB-F130W/RN1
Unit Quantity: ····· 1
Packing Weight: ····· 1150 kg
Operating Weight: ····· 1270 kg
Unit Depth: ····· 2000 mm
Unit Width: ····· 2090 mm
Unit Height: ····· 1685 mm
Sound Power Level: ····· 70 dB(A)

Performance Information

Cooling Capacity: ····· 130.0 kW
Heating Capacity: ·····
Cooling Efficiency (E.E.R.): ····· 3.2 kW/kW
Heating Efficiency (C.O.P.): ·····

Compressor Information

Quantity: ····· 4 Pieces
Type: ····· Scroll(Fixed speed)
Refrigerant Type: ····· R410A
Refrigerant Charge: ····· 7.0*4 kg

Evaporator Information

Fluid Type: ····· Water
Concentration: ·····
Fouling Factor: ····· 0.08600
Leaving Temperature: ····· 7.0 °C
Entering Temperature: ····· 12.0 °C
Water Flow: ····· 22.3 m3/h
Total Pressure Drop: ····· 24.8 kPa

Condenser Information

Type: ····· Fin-coil
Air Flow: ····· 48000 m3/h
Fan Motor Rated Current: ····· 4.0*4 A
Fan Motor Input: ····· 0.865*4 kW

Electrical Information

Unit Voltage: ····· 380-400/3/50 V/Ph/Hz
Max Unit Current(RLA): ····· 109 A
Max Start Up Current: ····· 252 A

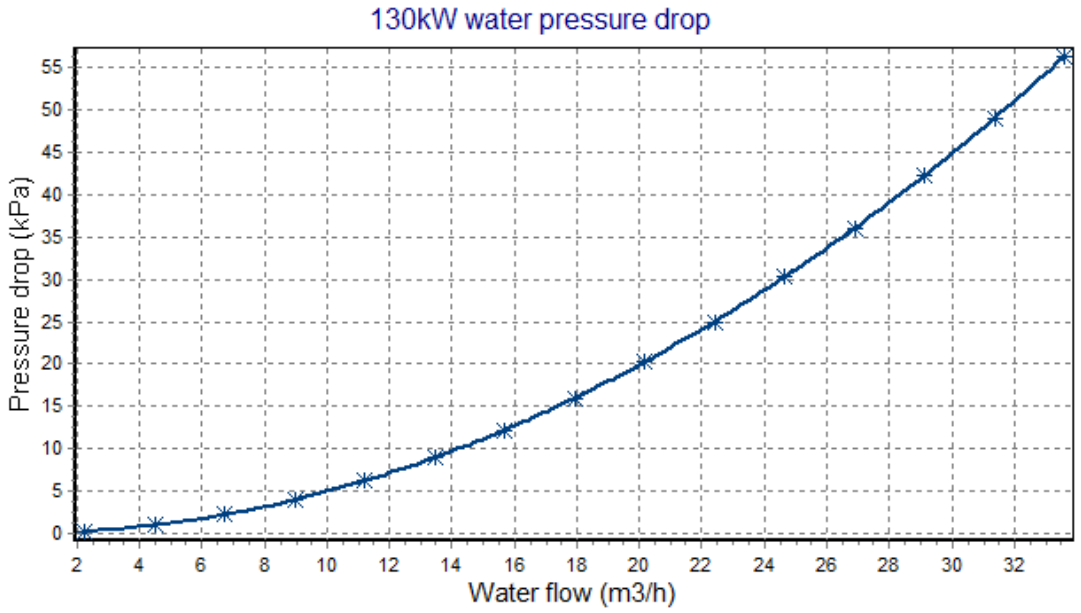
IPLV

Unit performance:					
Percent of full load capacity	%	100	75	50	25
Entering air temperature	°C	35.00	26.60	17.83	12.28
Fluid entering temperature	°C	12.0	9.4	9.8	8.1
Fluid leaving temperature	°C	6.5	6.5	6.6	6.6
Fluid flow rate	m3/h	24.60	24.60	24.60	24.60
Capacity	kW	130.0	74.9	81.6	39.5
Input	kW	40.8	20.4	16.9	7.3
EER	kW/kW	3.2	3.5	4.7	4.8
EER	Btu/W.h	10.9	11.9	16.2	16.5
IPLV	Btu/W.h	14.37			

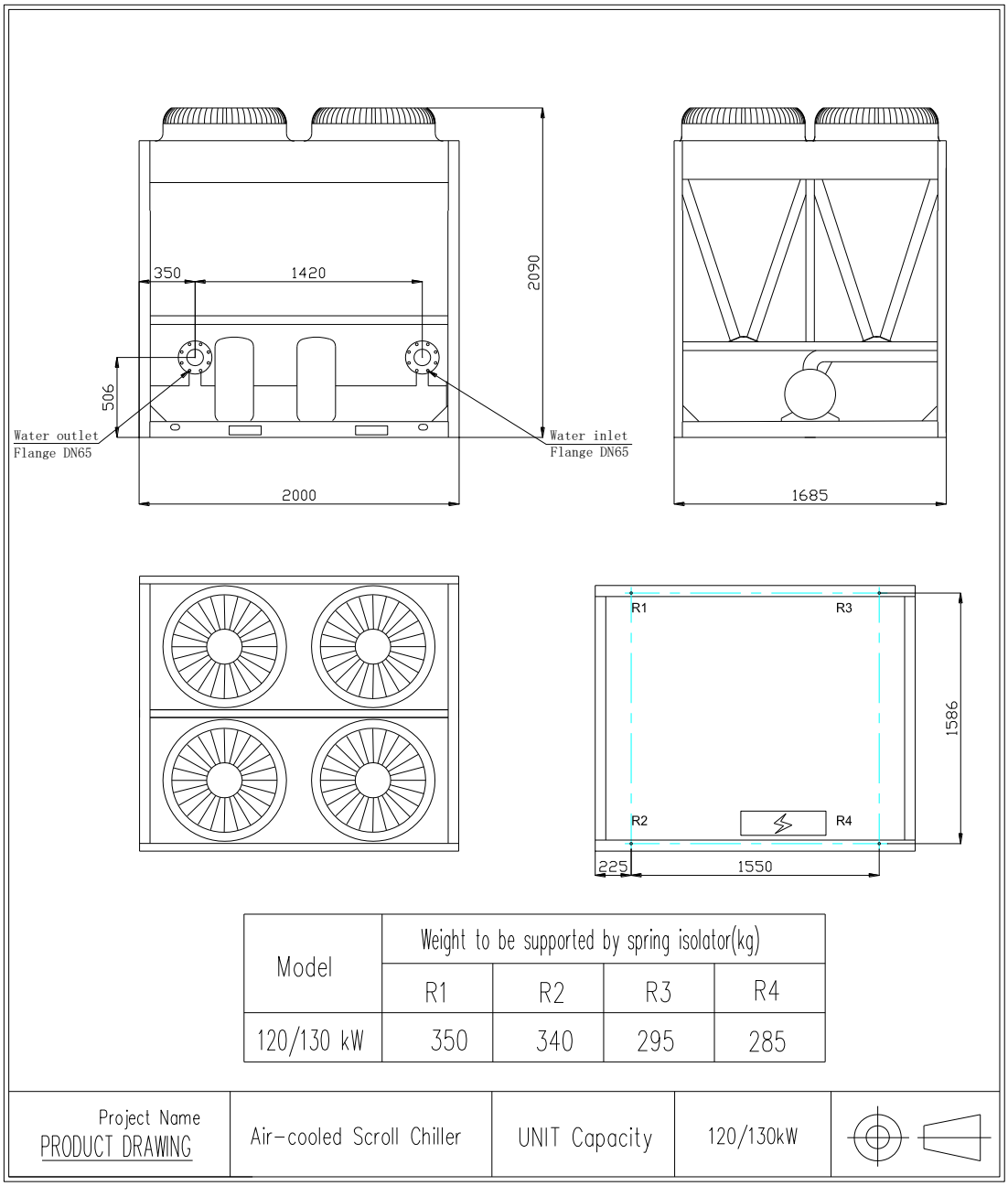
THE IPLV DATA IS BASED ON AHRI STANDARD 550/590-2011

The above data may be changed without notice for future improvement on quality and performance.

Pressure Drop Curve:



Dimension Chart:



Model	Weight to be supported by spring isolator(kg)			
	R1	R2	R3	R4
120/130 kW	350	340	295	285

Project Name				
PRODUCT DRAWING	Air-cooled Scroll Chiller	UNIT Capacity	120/130kW	