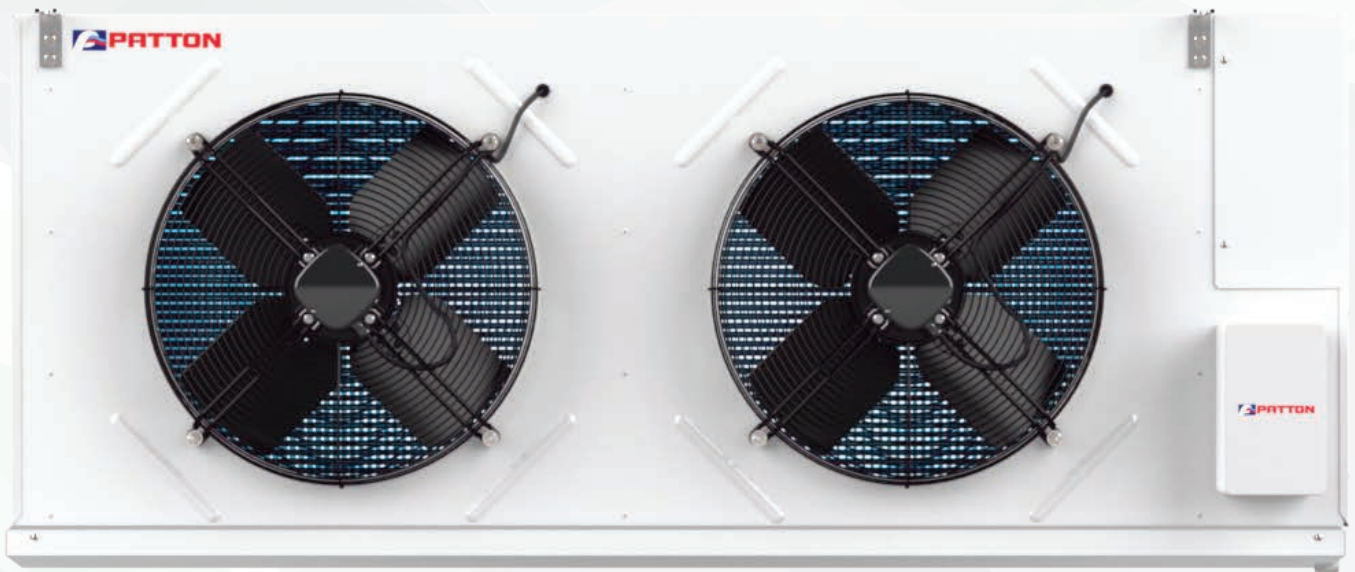


Commercial Unit Coolers

7.1 37 kW



BENEFITS

- Hybrid Front Door Design
- High Airflow External Rotor Motors
- Reversible Drain Tray
- CAREL EVD ICE with Ultracap(Optional)
- Light Weight Alu Case - 'Signal White' Powder Coated
- Heater Defrost Complete With Safety Thermostats
- Applied "Blue Coil Coat" Corrosion Protection

Commercial Unit Coolers

- Factory Applied “Blue Coil Coat” Corrosion Protection
- Available in “Super Coat Coil” (Optional)

- EVD-ice fitted Driver Available with E2V, E3V Valve Type (Optional)





- High Airflow External Rotor Motors
- Available in AC Fans

- Reversible Drain Tray

- Hybrid Front Door Design
- Removable Hinge Door
Easy Accessible

QM SERIES



MEDIUM TEMP

MODELS	QM	410813	411052	421462	421894	431950	432515	442951	443736
	R404A	8.13	10.52	14.62	18.94	19.50	25.15	29.51	37.36
Capacity	R448A	10.24	13.25	18.43	23.87	24.56	31.69	37.18	47.07
kW @ 6 KTD	R449A	10.08	13.04	18.13	23.49	24.17	31.19	36.59	46.32
-4 °C SST	R407F	9.92	12.83	17.84	23.11	23.78	30.69	36.00	45.57
	R134a	7.38	9.55	13.28	17.20	17.70	22.83	26.79	33.91
<div>Sparepart set  </div>	Valve Body	E2V24	E2V30	E2V35			E3V45	E3V55	
	Controller	EVDM011R11 EVD ICE RESIN 115/230V							
	Ultracap	EVDMU00R11 CAREL ULTRACAP RESIN MODULE							

Note : ★ Optional

QL SERIES

LOW TEMP

MODELS	QL	610555	610736	620982	621280	631309	631727	641979	642361
	R404A	5.55	7.36	9.82	12.80	13.09	17.27	19.79	23.61
Capacity	R448A	7.11	9.42	12.57	16.38	16.76	22.11	25.33	30.23
kW @ 6 KTD	R449A	6.89	9.13	12.17	15.87	16.24	21.42	24.54	29.28
-24 °C SST	R407F	7.11	9.42	12.57	16.38	16.76	22.11	25.33	30.23
	R134a	4.71	6.24	8.33	10.86	11.11	14.65	16.79	20.03
<div>Sparepart set  </div> <div>Sparepart set ★</div>	Valve Body	E2V24		E2V30	E2V35			E3V45	
	Controller	EVDM011R11 EVD ICE RESIN 115/230V							
	Ultracap	EVDMU00R11 CAREL ULTRACAP RESIN MODULE							

Note : ★ Optional

CORRECTION FACTOR

QM	Dew Point	Mid Point	QL	Dew Point	Mid Point
R404A	1	1	R404A	1	1
R448A	1.26	0.97	R448A	1.28	0.96
R449A	1.24	0.98	R449A	1.24	0.95
R407F	1.22	0.93	R407F	1.28	0.95
R134a	0.91	0.91	R134a	0.84	0.84

CAPACITY CORRECTION

QM @ °C SST		QL @ °C SST	
5°	1.17	-20°	1.07
0°	1.07	-25°	0.99
-5°	0.99	-30°	0.89
-10°	0.93	-35°	0.8

RELATIVE HUMIDTY GUIDE

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

NOTES:

- Air throw based on CRMA standard@ 20°C
Multiply figures by 0.94 for 2°C and 0.87 for -18°C
- Fan motors 380-420V/3/50Hz
- Defrost heaters 220-240V/1/50Hz
Connect in Y for 380-420V/3/50Hz supply

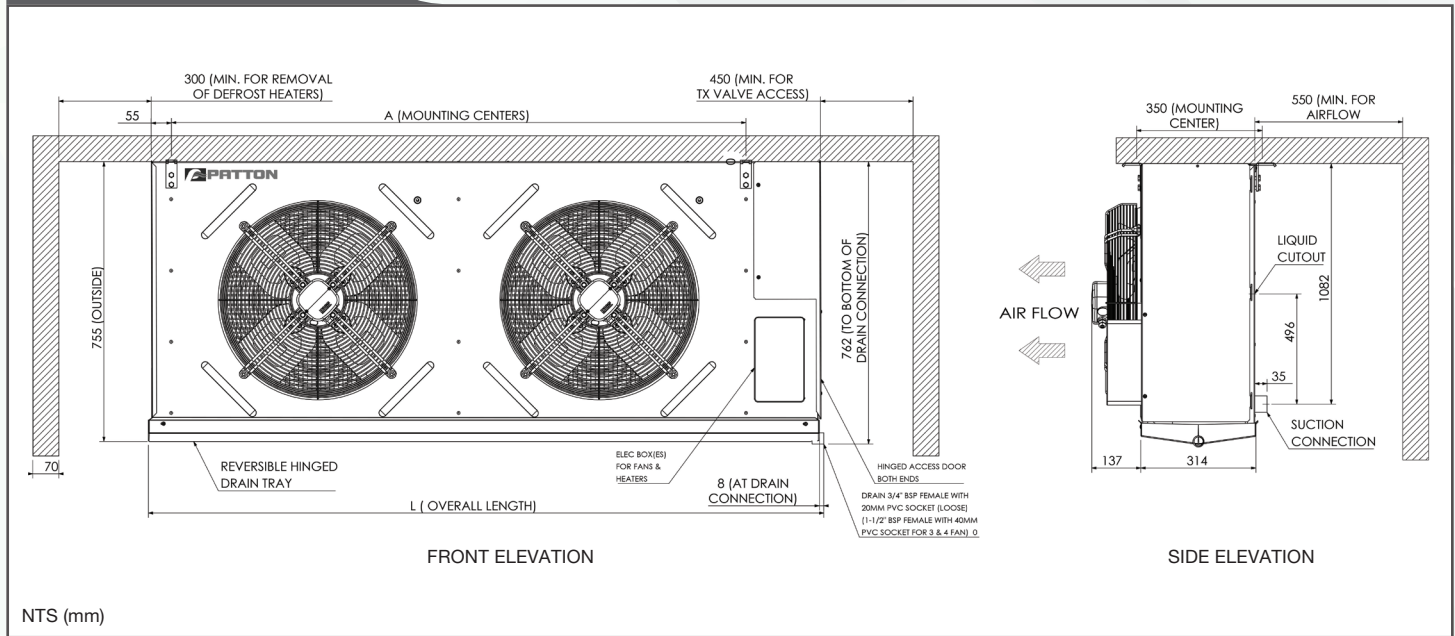
MEDIUM TEMP

MODELS		QM	410813	411052	421462	421894	431950	432515	442951	443736
Air Throw		m	18	17.5	19	18.5	21	20	22	21
Air Volume		l/sec	2030	1960	4060	3920	5410	5130	8120	7870
Fan Motors		Num.	1	1	2	2	3	3	4	4
Ø 500mm		Watts	455	455	910	910	1365	1365	1820	1820
		Amps	0.95	0.95	1.9	1.9	2.85	2.85	3.8	3.8
Coil	Circuit Vol.	dm^3	6.6	10.2	10.4	15.8	13.7	20.9	20.9	31.7
	Connection	Dist Inlet	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	7/8"
	F.Sw	Suct Outlet	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-3/8"	1-3/8"	1-3/8"
		fpi	6	6	6	6	6	6	6	6
	Defrost(Optional)	Watts	3400	3400	5780	5780	7300	7300	10820	10820
Dimension		L	1051	1051	1813	1813	2329	2329	3349	3349
		A	792	792	1554	1554	2070	2070	3090	3090
Net Weight		kg	90	100	102	117	115	135	130	170

LOW TEMP

MODELS		QL	610555	610736	620982	621280	631309	631727	641979	642361
Air Throw		m	18	17.5	19	18.5	21	20	22	21
Air Volume		l/sec	2100	2030	4200	4060	5600	5320	8400	8150
Fan Motors		Num.	1	1	2	2	3	3	4	4
	Ø 500mm	Watts	455	455	910	910	1365	1365	1820	1820
		Amps	0.95	0.95	1.9	1.9	2.85	2.85	3.8	3.8
Coil	Circuit Vol.	dm×3	6.6	10.2	10.4	15.8	13.7	20.9	20.9	31.7
	Connection	Dist Inlet	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	7/8"
	F.Sw	Suct Outlet	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-3/8"	1-3/8"	1-3/8"
		fpi	4	4	4	4	4	4	4	4
	Defrost	Watts	4610	4610	7940	7940	10100	10100	14900	14900
Dimension	L		1051	1051	1813	1813	2329	2329	3349	3349
	A		792	792	1554	1554	2070	2070	3090	3090
Net Weight		kg	96	106	111	126	127	147	148	188

DIMENSIONS



NTS (mm)

Specifications subject to change without notice