

Taurus Series

MT Fixed Speed Scroll Condensing Units



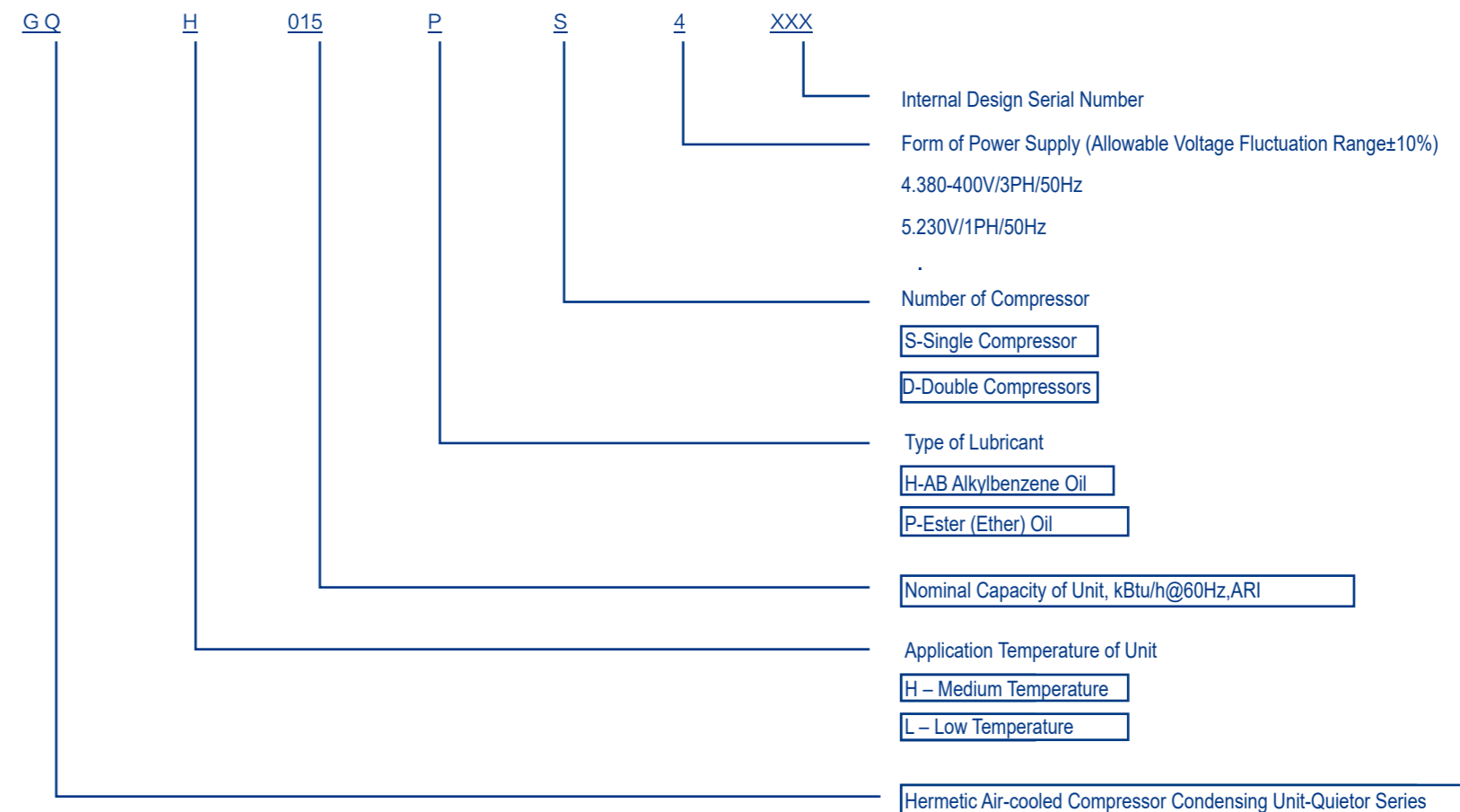
Customer Values

- R404A refrigerant provided
- Multiple models available, 1.5-15HP
- Highly energy efficient, low noise
- Condensing coils with high cooling capacity, suitable for 48°C ambient temperature applications, with -30°C as an option, to meet various customer needs
- Stable oil return, reliable running
- With 485 communication systems for remote monitoring

Product Features

- Advanced microprocessor-based control system, automatic adjustment according to load changes
- Two-speed fan motor, automatically switching according to ambient temperature and terminal load
- Large coil design, strong heat exchange, suitable for extreme conditions
- Hermetic and sound insulated cabinet, quiet running

Naming Rule of Fixed Speed Condensing Unit



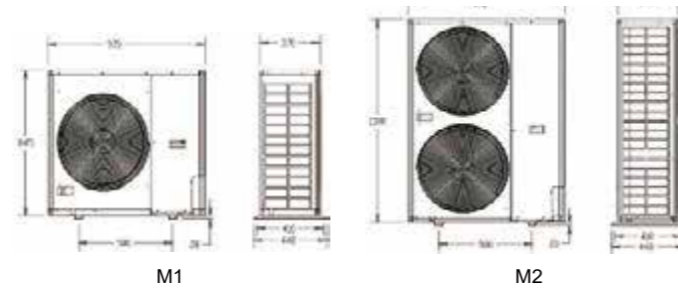
* All comparisons are based on the product performances of last generation.

Medium Temperature Working Conditions (<7HP) 380V/3ph/50Hz

GQH		015PS	021PS	026PS	030PS	038PS	045PS	048PS		
Refrigerant		R404A								
Casing Type		M1	M1	M1	M1	M2	M2	M2		
R404A	Nominal Cooling Capacity (1)	kW	4.15	5.57	6.28	8.06	10.16	12.08	13.03	
	Nominal Input Power (1)	kW	1.58	2.24	2.64	3.37	3.86	4.71	5.09	
R22	Nominal Cooling Capacity (1)	kW	3.74	5.01	5.65	7.25	9.64	11.42	12.52	
	Nominal Input Power (1)	kW	1.42	2.02	2.38	3.03	3.40	4.08	4.48	
Compressor		Quantity	1	1	1	1	1	1		
		Model	MLZ015T4	MLZ021T4	MLZ026T4	MLZ030T4	MLZ038T4	MLZ045T4	MLZ048T4	
		Nominal Power	HP	1x2	1x3	1x3.5	1x4	1x5	1x6	1x7
Crankcase Heating Belt		Quantity x Power	W	1 x 65	1 x 65	1 x 65	1 X 75	1 X 75	1 X 75	
Noise		dB (A) (2)	60	60	60	60	60	60		
Fan Motor	Quantity x Diameter	mm	1x0500	1x0500	1x0500	1x0500	2x0500	2x0500		
	Air Volume	m ³ /h	4445	4445	4445	4445	8890	8890		
		Fan Nominal Current	A	0.71	0.71	0.71	1.42	1.42		
Total Current	Compressor Starting Current	A	30	45	45	60	70	82	87	
	Compressor Max. Continuous Current	A	7	9.5	11	13	15	15	16	
Reservoir Volume		L	6	6	6	6	7.6	7.6		
Lubricating Oil		Ester oil 320HV(R404A)								
Oil Charge		L	1.1	1.1	1.6	1.6	1.6	1.6		
Connection	Gas Return	inch	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"		
	Liquid Line	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"		
Dimension		mm	Please see the pictures attached							
Weight		kg	68	68	68	74	125	125		

- (1) Testing conditions of nominal cooling capacity and nominal power: National standard medium temperature working conditions SST -7°C, ambient temperature 32°C, gas return temperature 18°C.
- (2) Noise measurement standard: dB(A)@1m, different operating environment may lead to different noise values. Affected by wall sound reflection and other factors may lead to differences between measured values and nominal values at the installation field. Acoustic attenuation due to distance only exists in theory. Sound reflection and resonance may lead to different results of measurement, including total noise and frequency.

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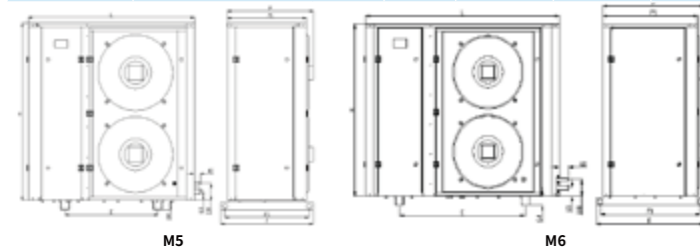
**Model Selection Table of Medium Temperature Fixed Speed CDU (<7HP)
230V/1PH/50Hz&380V/3PH/50Hz**

	R22	Ambient Temperature							
		27 ° C		32 ° C		37 ° C		42 ° C	
		GQH	Cooling Capacity Q (kW)	Power Consumption P (kW)	Cooling Capacity Q (kW)	Power Consumption P (kW)	Cooling Capacity Q (kW)	Power Consumption P (kW)	Cooling Capacity Q (kW)
SST -15 °C	015PS	3.07	1.48	2.82	1.67	2.56	1.86	2.26	2.07
	021PS	4.23	1.91	3.89	2.14	3.59	2.35	3.23	2.60
	026PS	5.13	2.48	4.70	2.74	4.36	2.98	3.91	3.28
	030PS	6.00	2.99	5.62	3.23	5.10	3.56	5.06	3.92
	038PS	7.70	3.39	7.08	3.76	6.54	4.12	5.89	4.55
	045PS	9.01	4.16	8.26	4.61	7.64	5.04	6.86	5.57
SST -10 °C	048PS	9.73	4.52	8.93	5.00	8.26	5.45	7.42	6.01
	015PS	3.83	1.43	3.51	1.63	3.22	1.83	2.88	2.05
	021PS	5.13	1.98	4.73	2.22	4.41	2.43	3.99	2.69
	026PS	6.21	2.54	5.84	2.75	5.33	3.04	4.81	3.34
	030PS	7.23	3.10	6.82	3.34	6.21	3.67	5.59	4.03
	038PS	9.36	3.48	8.64	3.84	8.04	4.20	7.28	4.63
SST -7 °C	045PS	10.94	4.28	10.07	4.74	9.37	5.16	8.46	5.69
	048PS	11.77	4.66	11.07	5.06	10.11	5.58	9.13	6.14
	015PS	4.33	1.39	4.15	1.58	3.68	1.79	3.31	2.02
	021PS	5.75	2.03	5.57	2.24	4.96	2.48	4.50	2.75
	026PS	6.94	2.59	6.28	2.64	6.00	3.08	5.42	3.38
	030PS	8.21	3.13	8.06	3.37	6.96	3.74	6.28	4.10
SST -5 °C	038PS	10.48	3.53	10.16	3.86	9.06	4.26	8.23	4.69
	045PS	12.24	4.38	12.08	4.71	10.55	5.24	9.55	5.77
	048PS	13.16	4.75	13.03	5.09	11.37	5.66	10.29	6.23
	015PS	4.66	1.37	4.29	1.57	3.98	1.77	3.59	2.00
	021PS	6.16	2.06	5.81	2.26	5.33	2.51	4.84	2.78
	026PS	7.42	2.62	7.02	2.82	6.44	3.10	5.83	3.41
SST 0 °C	030PS	8.86	3.15	8.17	3.46	7.46	3.79	6.74	4.15
	038PS	11.23	3.57	10.41	3.94	9.74	4.29	8.86	4.72
	045PS	13.11	4.44	12.37	4.80	11.34	5.29	10.28	5.83
	048PS	14.08	4.81	13.31	5.20	12.20	5.72	11.06	6.29
	015PS	5.60	1.30	5.18	1.50	4.83	1.70	4.39	1.94
	021PS	7.30	2.15	6.92	2.34	6.37	2.60	5.81	2.87
SST 0 °C	026PS	8.77	2.71	8.34	2.90	7.67	3.18	6.97	3.49
	030PS	10.47	3.27	9.67	3.60	8.86	3.93	8.01	4.30
	038PS	13.34	3.69	12.64	4.00	11.66	4.39	10.65	4.83
	045PS	15.56	4.61	14.75	4.96	13.55	5.45	12.32	5.98
	048PS	16.65	5.00	15.82	5.36	14.55	5.89	13.22	6.46

Testing conditions: refrigerant R404A, degree of superheat of gas return 10K

MT Fixed Speed Scroll Condensing Units (>7HP)

GQH		066PS	076PD	090PD	096PD		
Refrigerant		R404A					
Casing Type		M5	M6	M6	M6		
Nominal Cooling Capacity		(1) kW	18.58	20.32	23.82	26.27	
Nominal Input Power		(1) kW	8.17	9.22	10.42	11.84	
Compressor	Quantity		1	2	2	2	
	Model		ZB66 KQE	ZB38 KQE	ZB45 KQE	ZB48 KQE	
	Nominal Power	HP	1x9	2x6	2x7	2x8	
Crankcase Heating Belt		Quantity x Power	W	1x90	2x75	2x75	2x75
Noise		(2) dB(A)	65	64	64	66	
Fan Motor	Quantity x Diameter	mm	2xØ500	2xØ500	2xØ500	2xØ500	
	Air Volume	m³/h	10400	10400	10400	10400	
	Fan Nominal Current	(3) A	1.38	1.38	1.38	1.38	
Total Current	Compressor Starting Current	A	111	65.5*2	74*2	101*2	
	Compressor Max. Continuous Current	A	17.3	10*2	11.5*2	12.1*2	
Reservoir Volume		dm³	14	19	19	23	
Connection	Gas Return	inch	1*3/8	1*3/8	1*3/8	1*3/8	
	Liquid Line	inch	5/8"	5/8"	5/8"	7/8"	
Dimension	Length	L	mm	1166	1440	1440	1440
		P	mm	604	754	754	754
	Wide	P1	mm	556	706	706	706
		H	mm	1226	1226	1226	1226
	Fixing Feet	E	mm	650	934	934	934
		F	mm	650	800	800	800
Weight	F1	mm	590	740	740	740	
		kg	210	232	266	310	



- (1) Testing conditions of nominal cooling capacity and nominal power: National standard medium temperature working conditions SST -7°C, ambient temperature 32°C, gas return temperature 18°C.
- (2) The COL low ring temperature series crankcase heating tape is twice as powerful as the standard model cranking power.
- (3) Noise measurement standard: dB(A)@1m, different operating environment may lead to different noise values. Affected by wall sound reflection and other factors may lead to differences between measured values and nominal values at the installation field. Acoustic attenuation due to distance only exists in theory. Sound reflection and resonance may lead to different results of measurement, including total noise and frequency.

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MT Fixed Speed Scroll Condensing Units (>7HP)

	Model	Horse Power	Ambient Temperature									
			27 °C		32 °C		38 °C		43 °C		48 °C	
			Q(kW)	P (kW)	Q(kW)	P (kW)	Q(kW)	P (kW)	Q(kW)	P (kW)	Q(kW)	P (kW)
SST -20 °C	GQH066PS4COX	9	12.20	5.51	11.09	6.08	10.19	7.16	9.27	8.14	7.93	8.57
	GQH076PD4COX	12	14.46	6.59	14.52	7.26	12.10	8.54	11.16	9.71	10.60	10.58
	GQH090PD4COX	14	17.03	7.45	17.10	8.20	14.25	9.65	13.14	10.97	12.48	11.96
SST -15 °C	GQH066PS4COX	9	14.73	5.82	13.74	6.34	12.98	7.41	11.81	8.30	9.61	8.87
	GQH076PD4COX	12	16.91	7.23	16.62	7.82	14.74	8.92	13.95	10.00	13.25	10.90
	GQH090PD4COX	14	19.91	8.17	19.57	8.84	17.35	10.09	16.43	11.30	15.61	12.32
SST -10 °C	GQH066PS4COX	9	17.45	6.08	16.72	6.63	15.84	7.68	14.41	8.37	11.34	9.19
	GQH076PD4COX	12	19.36	7.86	18.71	8.38	17.51	9.44	16.75	10.29	15.91	11.21
	GQH090PD4COX	14	22.79	8.89	22.03	9.47	20.62	10.67	19.72	11.63	18.73	12.67
SST -5 °C	GQH066PS4COX	9	20.74	6.41	19.93	6.93	19.03	7.98	17.31	8.86	14.42	9.55
	GQH076PD4COX	12	23.49	8.00	22.28	8.86	20.91	9.86	20.29	11.80	19.28	12.87
	GQH090PD4COX	14	27.65	9.05	26.23	10.01	24.62	11.14	23.89	13.34	22.70	14.54
SST 0 °C	GQH066PS4COX	9	24.06	6.89	23.22	7.45	22.40	8.43	20.38	10.12	16.70	11.09
	GQH076PD4COX	12	26.71	8.56	26.16	9.41	24.67	10.46	23.83	13.32	22.64	14.52
	GQH090PD4COX	14	31.45	9.67	30.81	10.63	29.05	11.83	28.06	15.06	26.66	16.41
SST 5 °C	GQH066PS4COX	9	28.00	7.23	26.77	7.93	25.87	8.87	23.53	10.64	19.29	11.62
	GQH076PD4COX	12	31.37	9.16	30.32	10.00	28.54	11.16	27.16	14.84	25.80	16.18
	GQH090PD4COX	14	36.94	10.35	35.71	11.30	33.60	12.61	32.34	16.77	30.72	18.28
	GQH096PD4COX	16	40.74	11.76	39.38	12.84	37.06	14.33	35.87	19.06	34.08	20.78

Notes: the variable condition data is based on the national standard GB/T 21363 requirements, return temperature 18° C.