

## Medium/High Temperature Condensing Unit R404a

- To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2



### Performance parameter

Model	Horsepower (H.P.)	Displacement (cm³)	Power source	The condensing temperature	Nominal Capacity (W)	Noise dB(A) (SPL)	The Evaporating Temperature (W)							
							-25°C -12°F	-15°C +5°F	-10°C +14°F	-5°C +23°F	0°C +32°F	+5°C +41°F	+7.2°C +45°F	+15°C +59°F
QR44H	2	44	220-240V /1PH/50Hz 208-230V /1PH/60Hz	35°C/50Hz	3200	≤56	1491	2314	2910	3557	4200	4761	5322	6592
QR58H	3	58.2			5000	≤57	2224	3611	4360	5261	6163	6880	7597	9277
QR3-44H	2	44	380V/3PH/50Hz 460V/3PH/60Hz		3200	≤57	1491	2314	2910	3557	4200	4761	5332	6592
QR3-58H	3	58.2			5000	≤57	2224	3611	4360	5261	6163	6880	7597	9277
QR3-74H	3.5	74			6000	≤57	2892	4157	5137	6287	7438	8316	9194	11300
QR3-90H	4	90.2			7000	≤58	3010	4486	5569	7026	8483	9863	11244	14507
QR3-112H	5	112.5			8000	≤62	4317	5954	7607	9527	11447	12882	14317	17813
QR3-124H	6	124.4			8800	≤63	4020	6579	8566	10662	12759	14490	16221	20116
QR3-134H	7	134.8			9200	≤64	5368	7033	8739	10686	12634	14111	15589	19298

### Application parameter

Motor data						Refrigerator Oil Grade
Model	REFRIGERANT CHARGE(kg)	REFRIGERANT COOL VOLUME(m³)	REFRIGERANT EVAPORATING(m³)	PIPE(mm)	Fan Size	
QR44H	2~2.5	25	20-25	IN φ16 OUTφ10	1Ad.400mm	RL-32H
QR58H	2.5-3.5	40	25-30		1Ad.450mm	
QR3-44H	2-2.5	25	20-25		1Ad.400mm	
QR3-58H	2.5-3.5	40	25-30		1Ad.450mm	
QR3-74H	2.5-3.5	45	35			
QR3-90H	3-4	50	25-35	IN φ19 OUTφ12	2Ad.450mm	
QR3-112H	5.5-6.5	70	30-45			
QR3-124H	6-7	80	40-48			
QR3-134H	6.5-7.5	90	40-55			
RATED CONDITION(°C)						
EVAPORATING TEMP	CONDENSING TEMP	LIQUID TEMP	AMBIENT TEMP			
-6.7	48.9	40.6	43			

## Medium/High Temperature Condensing Unit R22

- To obtain refrigeration capacity at 60Hz , multiply its values at 50Hz by 1.2



### Performance parameter

Model	Horsepower (H.P.)	Displacement (cm³)	Power source	The condensing temperature	Nominal Capacity (W)	Noise dB(A) (SPL)	The Evaporating Temperature (W)							
							-25°C -12°F	-15°C +5°F	-10°C +14°F	-5°C +23°F	0°C +32°F	+5°C +41°F	+7.2°C +45°F	+15°C +59°F
QR44H	2	44	220-240V/1PH /50Hz	35°C/50Hz	3200	≤56	1282	2314	2910	3536	4200	4761	5322	6592
QR58H	3	58.2	208-230V/1PH /60Hz		5000	≤57	1699	3051	3838	4675	5580	6880	7597	8658
QR3-44H	2	44	380V/3PH/50Hz 460V/3PH/60Hz		3200	≤57	1282	2314	2910	3536	4200	4761	5332	6592
QR3-58H	3	58.2			5000	≤57	1699	3051	3838	4675	5580	6880	7597	8658
QR3-74H	3.5	74			6000	≤57	1890	3922	4877	6060	7182	8316	9193	10720
QR3-90H	4	90.2			7000	≤58	2347	4486	5569	6998	8483	9813	11244	14507
QR3-112H	5	112.5			8000	≤62	3218	5954	7607	8997	11447	12882	14317	17813
QR3-124H	6	124.4			8800	≤63	3220	6579	8566	10664	12759	14490	16221	20116
QR3-134H	7	134.8			9200	≤64	4613	7033	8739	10543	12634	14111	15589	19298

### Application parameter

Motor data						Refrigerator Oil Grade
Model	REFRIGERANT CHARGE(kg)	REFRIGERANT COOL VOLUME(m³)	REFRIGERANT EVAPORATING(㎡)	PIPE(mm)	Fan Size	
QR44H	2~2.5	25	20-25	IN φ16 OUTφ10	1Ad.400mm	SUNISO 3GS
QR58H	2.5-3.5	40	25-30		1Ad.450mm	
QR3-44H	2-2.5	25	20-25		1Ad.400mm	
QR3-58H	2.5-3.5	40	25-30		1Ad.450mm	
QR3-74H	2.5-3.5	45	35			
QR3-90H	3-4	50	25-35	IN φ19 OUTφ12	2Ad.450mm	SUNISO 4GS
QR3-112H	5.5-6.5	70	30-45			
QR3-124H	6-7	80	40-48			
QR3-134H	6.5-7.5	90	40-55			
RATED CONDITION(°C)						
EVAPORATING TEMP	CONDENSING TEMP	LIQUID TEMP	AMBIENT TEMP			
-6.7	48.9	40.6	43			