

# TECHNICAL DATASHEET: YH95C3

Archivo	Revisión	Elaboro	Hoja
YH95C3_TDS	03/2023	RGE	1

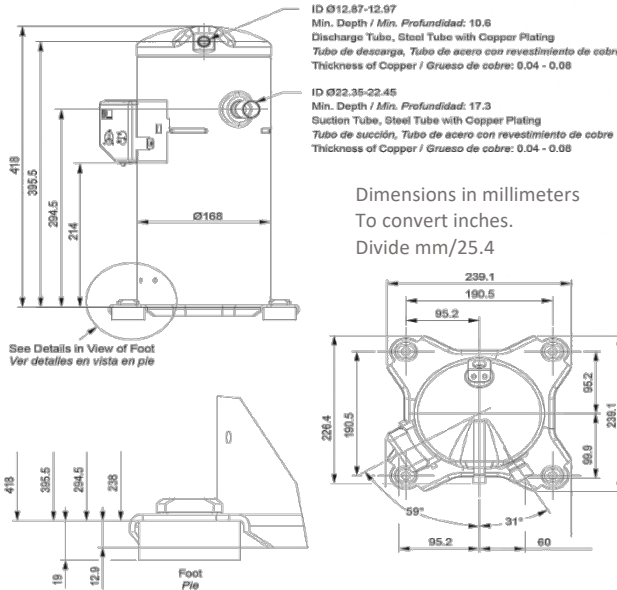
TEST CONDITION AHRI-540-2020   HIGH TEMPERATURE/AIR CONDITINING/CHILLERS						REFRIGERANT	ELECTRIC SUPPLY	TOLERANCE
Units	Te	Tc	SH	SC	Tret.	R-410A	208-230V /1PH/50-60Hz	± 10%
Imperial °F	45	130	20	15	65			

NOMINAL TEST CONDITION PARAMETERS	Value	Imperial	Value	International	Comments
Frigorific potency	39309	Btuh	11,528	Watt	
Instant energy consumption	3983	Watt	3,983	Watt	
Efficiency   BTUh/W (EER)   W/W (COP)	9.87	Btuh/W	2.89	W/W	
Nominal current consumption	18.67	A	18.67	A	
Nominal Displacement	2.35	ln/Rev	38.5	Cm <sup>2</sup> /Rev.	
Total heat rejection	52,891	Btuh	15,511	Watt	

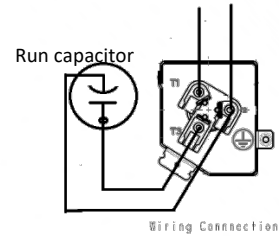
Mechanical data	
Displacement at 3500 RPM	4.76 CFM
Commercial Horsepower	3.5 HP
Compressor Weight	33 kg (72.6 Lb.)
POE Oil original charge	1.4 L (49 Oz.)
POE oil refilling charge	1.25 L (44 Oz.)
Center holes mounting	7.5 x 7.5 in
Required food print	9.5 x 9.5 in
Total height	16.5 in
Ø Discharge tube	½"
Ø Suction Tube	7/8"

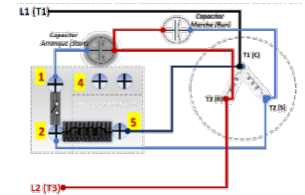
Electrical data	
Max braker protection	25 A.
Locked Rotor Amp. LRA	79 A.
Voltage range	208 – 230 V AC
Phases	1
Electric supply frequency	50 - 60 HZ
VFD app range	35 - 65 Hz
Run capacitor	
Start capacitor	None
Start relay	None
Crankcase heater	70 W



Ending model: N10<sub>2</sub>



Ending model:



Frigorific potency in Btuh performance at different conditions in °F								
↓Tc   Te→	-13	0	10	20	30	40	50	54
77	15526	21876	27381	33725	41220	50127	60768	65562
80	15083	21390	26825	33069	40433	49178	59627	64334
90	13730	19919	25146	31080	38032	46264	56094	60527
100	12434	18553	23608	29267	35841	43593	52841	57012
110		17145	22063	27484	33716	41025	49726	53651
120			20352	25569	31495	38396	46586	50277
130				23379	29034	35563	43278	46751

Instantaneous potency in W performance at different conditions in °F								
↓Tc   Te→	-13	0	10	20	30	40	50	54
77	2124	2110	2098	2092	2098	2121	2169	2196
80	2222	2204	2188	2177	2178	2197	2239	2264
90	2555	2522	2494	2470	2456	2459	2485	2504
100	2913	2867	2828	2792	2765	2754	2765	2777
110		3255	3206	3160	3121	3097	3094	3100
120			3647	3591	3542	3507	3492	3492
130				4102	4044	3999	3972	3968

Current consumption in Ampere								
-13	0	10	20	30	40	50	54	
10.02	9.96	9.91	9.88	9.9	10.02	10.24	10.37	
10.45	10.37	10.29	10.24	10.25	10.33	10.53	10.65	
11.93	11.78	11.64	11.53	11.46	11.47	11.59	11.68	
13.57	13.35	13.17	12.99	12.86	12.81	12.85	12.91	
	15.17	14.94	14.71	14.53	14.41	14.39	14.41	
		17.05	16.78	16.54	16.37	16.28	16.28	
			19.25	18.97	18.75	18.62	18.59	

Mass flow in Lb/h								
-13	0	10	20	30	40	50	54	
180	255	315	383	462	560	681	736	
176	251	311	377	456	552	671	726	
166	243	302	367	443	535	649	701	
160	240	300	365	440	529	639	689	
	238	300	366	441	529	636	685	
		297	366	442	530	635	684	
			359	438	527	633	681	