

TECHNICAL DATASHEET: YH128C3

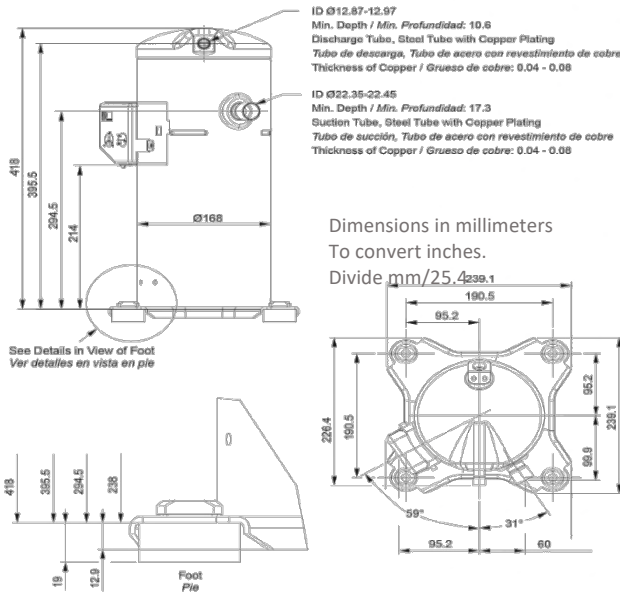
Archivo	Revisión	Elaboro	Hoja
YH128C3_TDS	03/2023	RGE	1

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			

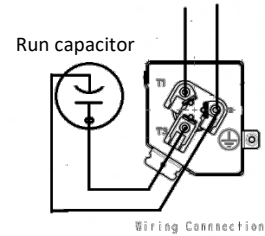
NOMINAL TEST CONDITION PARAMETERS	Value	Imperial	Value	International	Comments
Frigorific potency	62225	Btuh	10,864	Watt	
Instant energy consumption	5903	Watt	3,386	Watt	
Efficiency BTUh/W (EER) W/W (COP)	10.94	Btuh/W	3.21	W/W	
Nominal current consumption	9.05	A	11	A	
Nominal Displacement	3.01	In/Rev	49.4	Cm ² /Rev.	
Total heat rejection	48,593	Btuh	14,250	Watt	

Mechanical data	
Displacement at 3500 RPM	6.11 CFM
Commercial Horsepower	4.5 HP
Compressor Weight	37 kg (81.2 Lb.)
3GS Oil original charge	1.4 L (49 Oz.)
3GS 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	418mm 16.5 in
Ø Discharge tube	½"
Ø Suction Tube	7/8"

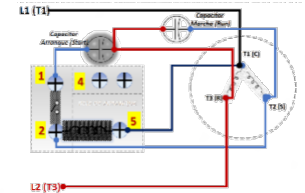
Electrical data	
MOC braker protection	40 A
Locked Rotor Amp. LRA	140 A
Voltage range	208 – 230 V AC
Phases	1
Electric supply frequency	50 - 60 HZ
VFD app range	30 - 70 Hz
Run capacitor	
Start capacitor	None
Start relay	None
Crankcase heater	70 W



Ending model: N10₂



Ending model:



Frigorific potency in Btuh performance at different conditions in °F								
↓Tc Te→	-13	0	10	20	30	40	50	54
77	20901	29439	36850	45388	55497	67484	81794	88248
80	20286	28790	36098	44500	54438	66186	80257	86609
90	18476	26809	33844	41836	51194	62259	75510	81486
100	16734	24965	31761	39411	48256	58673	71138	76739
110		23087	29712	36986	45388	55223	66938	72231
120			27390	34425	42382	51672	62703	67689
130				31454	39070	47881	58263	62942

Instantaneous potency in W performance at different conditions in °F								
↓Tc Te→	-13	0	10	20	30	40	50	54
77	2743	2724	2709	2701	2708	2739	2800	2835
80	2869	2845	2824	2811	2812	2836	2891	2923
90	3299	3256	3219	3188	3171	3175	3209	3232
100	3761	3702	3651	3604	3570	3556	3570	3585
110		4203	4139	4079	4029	3999	3995	4002
120			4708	4636	4573	4528	4508	4508
130				5296	5221	5163	5128	5123

Current consumption in Ampere								
-13	0	10	20	30	40	50	54	
12.96	12.88	12.81	12.78	12.81	12.95	13.25	13.41	
13.52	13.41	13.31	13.25	13.25	13.37	13.62	13.78	
15.43	15.23	15.06	14.91	14.83	14.84	15	15.1	
17.55	17.27	17.03	16.81	16.64	16.57	16.62	16.69	
	19.62	19.32	19.03	18.79	18.64	18.61	18.64	
		22.05	21.7	21.39	21.17	21.06	21.06	
			24.9	24.54	24.25	24.08	24.05	

Mass flow in Lb/h								
-13	0	10	20	30	40	50	54	
109.89	155.8	192.35	233.35	282.09	341.55	415.11	449.1	
107.31	153.27	189.61	230.16	278.22	336.78	409.2	442.67	
101.46	148.32	184.47	224.08	270.43	326.52	395.7	427.67	
97.61	146.47	183.28	222.77	268.25	322.71	389.49	420.28	
	144.89	183.18	223.4	268.85	322.51	387.74	417.69	
		181.34	223.13	269.39	323.09	387.6	417.05	
			219.12	267.02	321.6	386.23	415.51	