INVOTECH INNOVATION HVAC/R SOLUTION
CENTRO DE DISTRIBUCIÓN MÉXICO

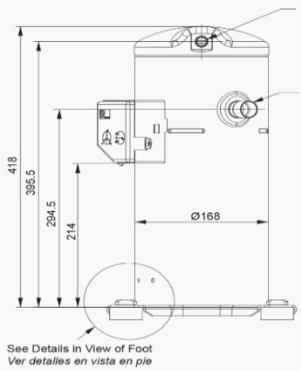
TECHNICAL DATASHEET: YH89A3

Archivo	Revisión	Elaboro	Hoja
YH89A3_TDS	02/2023	RGE	1

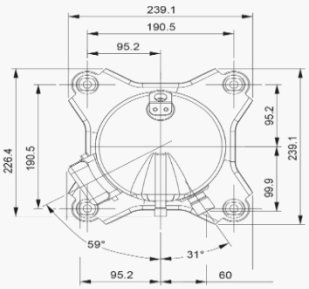
TEST CONDITION AHRI-540-2020 | HIGH TEMPERATURE/AIR CONDITINING/CHILLERS						REFRIGERANT	ELECTRIC SUPPLY	TOLERANCE
Units	Te	Tc	SH	SC	Tret.			
Imperial °F	45	130	20	15	65	R-407	208-230V /1PH/50-60Hz	± 10%

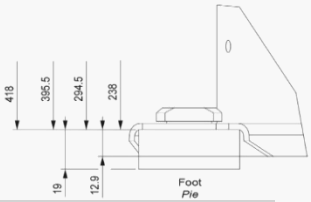
NOMINAL TEST CONDITION PARAMETERS	Value	Imperial	Value	International	Comments
Frigorific potency	36,645	Btuh	10,746	Watt	
Instant energy consumption	3,377	Watt	3,377	Watt	
Efficiency | BTUh/W (EER) | W/W (COP)	10.85	Btuh/W	3.18	W/W	
Nominal current consumption	15.75	A	15.75	A	
Nominal Displacement	3.01	In/Rev	49.4	Cm³/Rev.	
Total heat rejection	48,161	Btuh	14,123	Watt	

Mechanical data	
Displacement at 3500 RPM	6.11 CFM
Commercial Horsepower	3.0 HP
Compressor Weight	31 kg (68.2 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	
Max braker protection	25 A.
Locked Rotor Amp. LRA	76A.
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

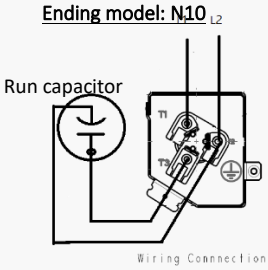


Dimensions in millimeters
To convert inches.
Divide mm/25.4

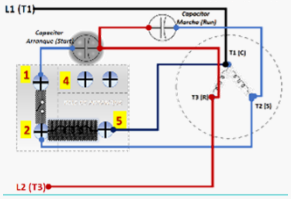




Ending model: N10



Ending model: 100



Frigorific potency in **Btuh** performance at different conditions in **°F**								
↓Tc |Te→	-13	0	10	20	30	40	50	54
77								
80								
90								
100								
110								
120								
130								

Current consumption in Ampere							
-13	0	10	20	30	40	50	54

Instantaneous potency in W performance at different conditions in **°F**								
↓Tc |Te→	-13	0	10	20	30	40	50	54
77								
80								
90								
100								
110								
120								
130								

Mass flow in Lb/h							
-13	0	10	20	30	40	50	54